

2,000 IN CASH PRIZES

AT THE WORLD'S FAIR, CHICAGO.

FTER receiving many circulars and invitation to make an exhibit at the World's Fair at Chicago, we decided the best way to make an interesting and profitable display was to offer \$2,000 in cash prizes to be competed for by our customers.

We contemplated making the largest exhibition of Flowers and Vegetables ever brought together. Plans were being perfected to literally cover the walls and ceilings of Horticultural Hall with festoons and langing baskets of rare Flowers, while the tables were to be loaded with the finest specimens of Vegetables. The proper authorities were notified of our intentions and asked if the plans could be earried out under the rules. After receiving a favorable reply and having a certain portion of Horticultural Hall assigned to us, with the request that we use it between September 15th and October 1st, we went to considerable expense advertising the fact and calling attention to our offer in several places in Vick's Floral Guide, 1893. Now as we are about to mail the Floral Guide a letter comes from the authorities saying that a higher power, "The Committee on Awards of the Columbian Exposition," has just decided not to allow goods to be entered for competition. This decision, coming at this late date, after Vick's Floral Guide is printed, has subjected us to great unnecessary expense and embarrassment,

We feel doubly annoyed because we intended doing a grand thing for the Columbian Fair, and we anticipated the pleasure of meeting thousands of our friends and customers in Horticultural Hall, which we should have made a place of beauty to be remembered as a "joy forever."

We are full of regret and disappointment over this unexpected change in our plans, and can but experience a degree of righteous indignation towards the "Commissioners of Awards," who were so slow in maturing their plans.

REVENGE.

There is one thing we can do to make up for the disappointment. Let each of us plant Charmer Peas, Golden Nugget Sweet Corn, Maggie Murphy Potatoes, Dixie and Irondequoit Melons, and Danvers

Yellow Onion in the Vegetable Garden, numerous seeds in the Flower Beds and the Brazilian Morning Glory over our front piazzas, then amid festoons of dainty blossoms and decorated walls we can feast like princes from tables loaded with luxuries unknown to the poor "Committee on Awards."

\$325 CASH PRIZES ON POTATOES.

A S an incentive to potato growers, and that they may to a greater extent bring before the public the excellent qualities of our new Potatoes, the American Wonder, introduced last year, and the Maggie Murphy, to which attention is called this year for the first time, we offer the following cash prizes. Not only potato growers, but every farmer's boy can make a trial and stand a good chance of winning. For description of these potatoes, see pages 15 and 28c.

\$175. MAGGIE MURPHY.

For	the	e best dozen\$70	00.
6.4	4.4	second best dozen 35	i.00
6.6		third best dozen	i.00
6.6	6 6	fourth best dozen10	00.
+ 6		seven next best dozens, each, \$5	5.00
		\$175	00

AMERICAN WONDER. \$150.

For	the	best dozen	\$60.00
4.4	" (second best dozen	30.00
, ,	66	third best dozen	20.00
"		fourth best dozen	10.00
1.6	» ¢	next six best dozens, each, \$5	30.00
			\$150.00

CONDITIONS.

Potatoes to be grown from seed purchased from us during the year 1893.

Potatoes must be delivered at Rochester, N. Y., free of charge, on or before October 15th, 1893.

Every person desiring to compete must state the fact, with their name and address on a separate piece of paper, and enclose same with their order for seeds.

Potatoes must be shipped to James Vick's Sons, Rochester, N. Y., prepaid, and in time to arrive here on or before Oct. 15, '93. The names of winners will be announced in the November number of Vick's Illustrated Monthly Magazine.

Judges will be appointed from Monroe County Grange. Their names, with the decisions, will appear in November number of Vick's Illustrated Monthly Magazine.

JAMES VICK'S SONS, Rochester, N. Y.

We would respectfully call the attention of our readers to the following alterations in this number of our Guide:

BEET.—Golden Giant Mangel Wurzel should read 50 cents per pound, instead of 75 cents. See page 29.

EXCELSIOR INSECT EXTERMINATOR. -- No. 1 Bellows, with one ounce of Exterminator, should read 20 cents, instead of 29 cents.

ONION SETS.—Owing to the great scarcity of the several varieties offered on page 91, we are very reluctantly compelled to advance the prices on pecks and bushels as follows:

English Multipliers, or Potato Onions, per bushel \$5.00; per peck \$1.50.

Yellow Bottom Sets, "6.50; "2.00

White Bottom Sets, "8.00; "2.50.

LILIES.—(See page 62.) We correct errors as follows:

	Each	Doz		Each	Doz
Lilium candidum,	\$0,10	\$1.00	Lilium lancifolium album,	\$0.35	\$3.50
croceum,	-25	2.50	tigrinum Tiger Lily),	.10	1.00
excelsum,	.60		tigrinum flore-pleno		
Japonicum longiflorum,	.20	2.00	Double Tiger Lily,	15	1.50

In order to assist those whose wants are larger than their pocket-books, we have arranged a list of premiums or discounts. Thus by securing the order of a few friends a person can almost get seeds for nothing, or so many more for the same money, that thousands take advantage of these liberal offers.

Persons sending \$1.00 may select seeds amounting to \$1.10

DOHO	50	\$ · · · · · · · · · · · · · · · · ·				W
4.6	46	2.00		4.4	* 4	2.25
40	6.6	3.00	"	6.4	4.6	345
ζ.	4.6	4.00			€ €	4.70
4	"	5.00		f &	4.6	6 00

All persons sending orders for seeds, bulbs or plants to amount of 50 cents or over, can receive Vick's Illustrated Monthly Magazine for one year, free, according to proposition below.

Persons sending \$10.00 may select seeds amounting to \$12.50, and will receive, free, a copy of Home Floriculture, by Rexford.

Persons sending \$15.00 may select seeds amounting to \$20.00 and will receive, free, Vick's Flower and Vegtable Garden, and a copy of Home Floriculture.

Free! A Magazine Premium!

TWELVE VISITS A YEAR.

In order to assist our customers with their plants, and that they may enjoy a free interchange of ideas as to what is best in the flower bed, and what is most profitable in the Vegetable Gar-

den, we have decided to make a present of one year's subscription [3] 50 cents or over.



The Vick Publishing Co. through whom we subscribe for our customers assure us that it will during 1893, show a very great improvement over the previous year. Among other things will be some charming full page illustrated poems and articles, the pictures alone of which will be well worth the subscription price.

One special feature will be fair and impartial reports on all the new seeds and plants brought out as "novelties" by any and all reliable seed houses. These are to be carefully tested in trial grounds and the results given for or against, as the case may be, with illustrations of the promises and results in case they differ.

In addition to the above, will be foreign and home correspondence, practical talks on home life, with illustrations of new flow-🗳 ers, vegetables, fruits, etc. The Letter Box, is a very interesting department, in which all queries will be answered as fully and carefully as during the past year. A good frank talk is desired g each month.

Fill out the blank Premium check, attached, and send with your order.

It must be understood that this discount is allowed only on Flower and Vegetable Seeds by the packet and ounce, and not on seeds by the pound, nor on Bulbs, or Plants; nor can we pay this discount in Bulbs, or seeds by the pound. Otherwise it would bring the price far below the cost.

The seeds will be put up together and sent to one address, or im separate packages, and mailed to the address of each individual forming the club. In all cases the postage will be prepaid. The same deductions will, of course, be made to any person ordering for himself alone.

In addition to these Premiums and Presents, we forward in December, each year, to every customer, our Floral Guide, containing descriptions of about all Flowers and Vegetables worthy of cultivation. In sending Clubs, it is therefore necessary to give the names of the persons of which they are composed, with Post-Offices, so that we may be enabled to forward them the Guide.

In August we publish a Catalogue containing a list of Bulbs for Autumn planting and for flowering in the house in winter; and also a list of house plants, which we forward to those of our customers who purchased Bulbs of us the previous Fall, and to any one who will send a Postal Card with name and Post Office. Send in your name for Bulb Catalogue.

Each person sending an order to the amount of \$10.00 may select Seeds: to the amount of \$12.50 and receive FREE a copy of $\ _{\ast}$

RICULTURE.

BY EBEN E. REXFORD.

A VALUABLE WORK ON THE

CULTIVATION OF GARDEN AND HOUSE PLANTS.

The best work published to assist amateurs with Flowers and Plants, written in such a plain, simple manner that a child can understand it. Elegantly Illustrated and Handsomely Bound. PRICE, \$1.50.

Free with each \$10.00 order.

Vick's Flower and Vegetable Garden.

A BOOK OF OVER 200 PAGES.

Hundreds of Illustrations, and Six Colored Plates.

Revised Edition, \$1.25. Elegant Cloth Covers. -:-

Full and practical directions for the cultivation of flowering, ornamental and kitchen garden plants. The beginner in gardening is told just what he wants to know, and in a simple way. It has proved a most acceptable gardener's assistant, both in the house and open ground.

CATALOGUES. OF . SPECIALTIES.

We publish the following lists, and send free on application:

BULB CATALOGUE.

Containing descriptions and prices of Hyacinths, Tulips, Crocuses, Lilies, Seeds and Plants for fall planting, and flowers for the house, will be ready September 1st. Mailed free on receipt of request on a postal card; write name and address plain.

Catalogue for Market Gardeners, or those who require Seeds, etc., in large quantities. Issued annually, and ready January 1st.

Wholesale List of Seeds, Bulbs, Plants, Potatoes, and Florists' Supplies. - For Dealers only.

List of Trees, Shrubs, Hardy Perennials, and complete lists of Dahlia and Gladioli mailed free on application.





VICK'S month, which shows that it is popular with the mas- Magazine talk about flowers and vegetables in such a way as to make it of constant use and interest in every home. It is published by the Vick Publishing Co. and we have made arrangements whereby our customers can combine a subscription to it, in connection with orders. Particulars can be found on one of the last pages.

With best wishes to all of our patrons for 1893.

James Vick's Sons, Rochester, N. Y.

Suggestions to All Who Buy.

All Seeds, Bulbs and Plants Free of Postage.—We will send Seeds, Bulbs and Plants, by mail, to any part of the United States, Dominion of Canada, Jamaiea, Barbadoes, Mexico, and the Bahamas, at the prices named in this Catalogue, Postage Paid. The only exceptions to this rule are when heavy and bulky articles are ordered by the peck or bushel, or in cases especially noted; otherwise, every package will be paid through to destination. As a general rule we send Plants and Seeds in separate packages.

Free by Express.—All orders weighing two pounds or over will be forwarded by Express, if possible. Our customers will oblige us very much by giving their nearest express office and the name of the Company delivering goods. Heavy orders can be forwarded by Stage from the Express office. So please be particular and send special directions when on a Stage route. All Stage charges will be prepaid when it is possible to do so. This applies to Seeds and Bulbs at Catalogue rates, and not on heavy seeds by the peck or bushel, nor on miscellaneous articles. Persons often order small packages sent C. O. D., and the express charges sometimes amount to more than the order. We can send goods and collect money on delivery only when enough money is sent to prepay the Expressage, and thus protect us from loss, should the person not take the goods from the Express Company, as is sometimes the case.

Those who want heavy seeds in large quantities can get them very cheap by freight if they will order early. Many of our customers take advantage of this fact, and more should do so.

Shipping Plants.—All orders for plants will be held until about April 1st, when we begin shipping to the warmer states and northward as fast as the weather will permit, unless otherwise requested. If wanted for winter flowering or immediate use, state the fact and they will be shipped accordingly, though in case of severe cold storm we may hold for few days.

Quality of Plants.—Our long experience in growing and mailing plants has taught us that it pays to ship strong, healthy plants, and as we guarantee their arrival in good condition, customers may rest assured they will receive the best plants to be had.

Correspondence.—We are always glad to hear from customers and to give advice where possible. We recommend a careful reading of "Letter Box" in Vick's Illustrated Magazine, where scores of questions are answered each month.

Novelties.—While we do not advertise all the new Flowers and Vegetables listed in Catalogues of other Seed Houses, generally we have seeds in stock and can fill orders for same.

Cash with Order.—Filling thousands of orders each week during the rush of business from January 1st to June 1st, makes it necessary that each order be accompanied with the cash.

The Safe Arrival of Packages Guaranteed.—We guarantee the safe arrival of packages of Seeds, Bulbs and Plants in good condition in the United States and Canada. If a package fails to reach a customer we will send again as soon as informed of the faet; or if any part is injured or lost we will replace it. We do not consider ourselves held by this guarantee unless complaints are made within ten days after receipt of plants. Whenever writing in reference to previous order, be sure and mention the post office to which goods were to be shipped, and sign the same name as in the first order. Sometimes it happens that orders never reach us. When customers fail to receive their Seeds, Bulbs or Plants in a reasonable time they should inform us, and at the same time send a copy of their order, stating the amount of money, and in what manner it was sent.

Our Customers in Canada. — There is a duty on some Seeds sent from the United States to Canada. We will, in all cases when it is possible, pay the duties and postage on Seeds purchased at retail catalogue prices, so that our customers will have no trouble or expense, excepting when the price is given delivered at the Express or Railroad office here, such as Potatoes, and other heavy goods.

Foreign Countries.—On packages for Bahamas, Barbadoes, Colombia, Costa Rica, Danish West Indies, Hawaiian Kingdom, British Honduras, Jamaica, Leeward Islands, Mexico, and Salvador, postage will be prepaid as stated above. Our customers ordering from New Zealand, New South Wales, Queensland and Victoria, will kindly remit 24 cents extra for each ounce of Seeds, &c., and those ordering from other foreign countries 10 cents extra for each ounce, or this excessive postage would bring the price received far below the actual cost of the goods.

Correction of Errors.—We take the utmost care in filling orders, always striving to do a *little more* for our friends an patrons than justice and fair dealing require. In case an error is made, we desire to be informed of the fact, and promise to make such corrections as will be perfectly satisfactory.

Order Sheets.—Please use the "Plant Order Sheet" (Blue), for Bulbs and Plants, and the "Seed Order Sheet" (Amber), for Seeds and other articles, and it will prevent considerable delay in filling orders. Have questions and letters separate from order.

In writing out order, as far as possible follow same order as in Floral Guide, viz: Annuals and Perennials, Climbers, Everlastings, Green-House, Bulbs, and Vegetables, each alphabetically. By so doing it will save time in filling order.

HOW TO SEND MONEY.

ALL MONEY MAY BE SENT AT OUR RISK AND EXPENSE, if forwarded according to directions, in either manner here stated. Please send money with the order.

There is no safety in sending Postal Notes or Silver, and these are sent at the RISK OF THE SENDER. Please send money with the order.

When remittances are not made according to the following directions, we disclaim all responsibility.

A Convenient Way.—An order for anything named in Vick's Floral Guide can be left at the office of any Express Co., and their agent will forward it to us. In due time they will deliver the Seeds, Bulbs, Plants, etc., at your door and collect the price of same, without any extra expense to you, except on goods where it is stated in the Floral Guide that they are shipped at expense of purchaser.

FIVE SAFE WAYS.

Post Office Money Order.—1st. Post Office Money Orders, to be obtained at many Post Offices, but not at all, are perfectly safe, and will cost from 8 to 25 cents. This is the best.

Express Money Order.—2d. Express Money Orders, to be obtained at all offices of the American, United States, Adams, National, Wells, Fargo & Co. and other Express Companies.

Draft on New York.—3d. A DRAFT ON NEW YORK can be obtained at any Bank, and this is sure to come correctly.

Cash.—4th. Greenbacks, Gold, or Silver, in amounts not less than Five Dollars (\$5.00), can be sent by Express, and these we are sure to get, and the cost is very little.

Registered Letter.—5th. REGISTERED LETTERS. When money cannot be sent by either of the first four methods, it may be sent in a Registered Letter. The cost of registering is 10 cents.

The expense of forwarding money in either of the above ways we will pay, and the cost may be deducted from the amount forwarded.

SUMS LESS THAN ONE DOLLAR may be forwarded by mail at our risk without registering.

N. B.—We send the Floral Guide free to all customers of 1892, to others we charge Ten Cents, which amount may be deducted from first order. If any customer fails to receive a Guide, please send Postal Card, stating the fact, with name and Post Office.

HOICE OMPLETE OLLECTIONS.

§ FLOWER SEEDS. 8

THE BUILDING OF THE SHIP.

"Build me straight, O worthy master!
Stanich and strong, a goodly vessel,
That shall laugh at all disaster,
And with wave and whirlwind wrestle."
Longfellow.

FROM EVERY STATE.

Send us flowers, O worthy Vix's Sons,
Tried and true and fair to see,
That will smile in rain and sun,
And give us joy through ninety-three.
Everybody.

We have put up separate collections of the choicest seeds in neat envelopes, and these are very desirable to those who may wish a complete assortment of any particular class of flowers. They are all first-class and full-sized packets.

ASTERS.	sTocKs.
Truffaut's Pæony-flowered Perfection, 12 separate colors Truffaut's Pæony-flowered Perfection, 6 separate colors Truffaut's Pæony-flowered Perfection, 6 separate colors Truffaut's Pæony-flowered Perfection, 6 separate colors New Rose-flowered, 12 separate colors New Rose-flowered, 6 separate colors Occardeau or Crown, 6 separate colors Pæony-flowered Globe, 12 separate colors New Victoria, 12 separate colors New Victoria, 6 separate colors New Victoria, 6 separate colors Inbricated Pompon, 12 separate colors Dwarf Chrysanthemum-flowered, 12 separate colors Topwarf Chrysanthemum-flowered, 6 separate colors	6 distinct races, mixed colors of each in separate packets
Boltze's Dwarf Bouquet, 12 separate colors	Cockscombs, finest dwarf, 12 distinct sorts
BALSAMS.	Dianthus, 12 species and varieties
6 distinct races, mixed colors of each in separate pkts. \$ 50 Double Rose-flowered, 12 separate colors	Hollyhocks, Chater's Superb, 6 separate colors

FTER careful tests in our trial grounds we have selected the following lists as the best for general cultivation, and as such can honestly recommend them to our friends. They are all first-class and full-sized packets.

"Spake full well, in language quaint and olden, One who dwelleth by the eastled Rhine,

No. 1.

When he called the flowers so blue and golden, Stars, that in the earth's firmament do shine.

20 VARIETIES CHOICE ANNUALS, \$1.00.

AS FOLLOWS:

Swoot Alveenin S	0.05	Phlox Drummondii, fine mixed	.10 [Scabiosa, mixed\$0.05
Intimbinum mived	05	Ponny mixed	.10 3	Zinnia, double, mixed
Actor Truffaut's mixed	.10	Portulaca, single	.05 +	Convolvulus, Major, mixed
Balsam Camellia-flowered, mixed	.10	Cockscomb, Vick's New Japan	.10	Sweet Pea, fine mixed
Calliopsis, mixed	.05	Dianthus, best double, mixed	.05	D 1 4 7
Candytuft, mixed	.05	Eschscholtzia, mixed	.05	Price by single paper\$1.45
Pansy extra choice infxed	. (3)	Delbumin, Dwart Rocket	.00	
Petunia, fine mixed	.10	Sweet Mignonette	GU,	

Wondrous truths, and manifold as wondrous, God halh written in those stars above; No. 2.

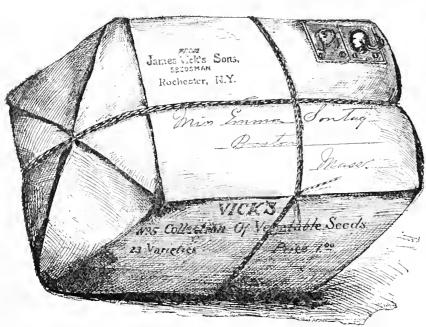
But not less in these bright flowerets under us, Stands the revelation of His love.—Longfellow.

40 VARIETIES CHOICE ANNUALS, \$2.00.

CONTAINING ALL THE VARIETIES NAMED IN LIST NO. 1, AND THE FOLLOWING:

Callendula Meteor	 Salvia splendens	305 Helichrysum, mlxed 305 Helichrysum, mlxed 305 Perennial Pea, mixed 310 Value No. 1 Collection 1.45 Making total of \$2.95 for \$2.00
The same of the sa	 	1.70

Popular -: - Selected -: - Collections.



OUR SEED COLLECTIONS PACKED, AND MAILED, IN U. S. POST OFFICE.

the regetable garden we can recommend either of the following: All of the seeds contained in them are our regular sized packages, and first-class in every respect. They give to our customers a good assortment, best adapted to produce a continued succession of the most useful kinds throughout the year.

Those who prefer, can of course make their own selection from the regular pages.

Several thousand of our collections are sold annually, and to the same people, which shows that they are perfectly satisfactory. Collections 7 and 8 are larger in proportion than Nos. 5 and 6.

"Observe the vising lily's snowy grace,
Observe the various vegetable race:
They wither toil nor spin, but careless grow,
Yet see how warm they blush! how bright they glow!
What regal vestments can with them compare!
What King so shining! or what Queen so fair!"
—Thompson

No. 5. Collection Vegetables.

TWENTY-THREE VARIETIES FOR \$1.00

Suitable for Small Family Garden.

·	
wick05 1 "Onion, Danvers Yellow Globe05 1 "Carrot, Chantenay05 1 "Peas, Premium Gem10 1	" Squash, Bush Crook-Necked

No. 6. Collection Vegetables.

43 VARIETIES, CONTAINING all the LEADING VEGETABLES.

PRICE, \$2.00.

	Caloage, watched "All Seasons Celery, Golden Self-Blanching "Golden Heart Cueumber, White Spine "Long Green Egg Plant, New York Purple Lettuce, Imperial White Cabbage "Early Hanson Musk Melon, Emerald Gem Water Melon, Kolb's Gem	.10 .05 .10 .05 .05 .05 .05 .05 .05		66 66 66 66 66 66	Parsley, Moss Curled Parsnip, Hollow Crown Pepper, Sweet Mountain Radish, Scarlet Globe. "Scarlet Olive Shaped. "Chartier (long). Spinach, Long Standing Salsify, or Veretable Oyster. Squash, Summer Crook-Necked. "Hubbard. Tomato, Dwarf Champion Livingston's Fayorite.	.05 .05 .05 .05 .05 .05 .05 .05 .05 .05	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A. Turnip, Orange Jelly \$0.05 Sage 0.5 Summer Savory 0.5 Corn, Perry's Hybrid 1.0 "Evergreen 1.0 Beams, Wax or Butter 1.0 "Long Yellow, Six Weeks 1.0 "Lima, King of the Garden 1.0 Peas, Vick's Extra Early 1.0 "American Wonder 1.0 "Premium Gem 1.0 "Champion of England 1.0
î ·	Onion, Danvers Yellow Globe	.05	î	46	Turnip, Strap-Leaved, Red-top	.05		\$2.60

No. 7. "Giant" Collection of Finest Varieties of Vegetables for Family Garden, \$3.00

No. 8. "Mammoth" Collection of Finest Varieties of Vegetables for Family Garden, 5.00

NOVEDTIES. 1893.



ALPINE ASTER.

Aster alpinus is a new and perfectly hardy perennial, also shown in colors (reduced in size) on the back cover. It might appropriately be called "The Star of Switzerland."

The plant is a dwarf grower, being only from seven to nine inches in height; at the same time it is very vigorous and sends up numerous stems, each bearing flowers. The flowers are daisy-like, about two inches in diameter with violet or sky-blue rays or petals and a yellow disk, colors which are a pleasing combination. The flowers are graceful in form, excellent to cut for vases or for personal adornment. The plant appears to advantage when group at

able to offer next season a varicty of the same plant with whiteflowers; in the meantime, those who desire a new, handsome, hardy perennial plant, should not neglect to possess this novelty.

Price, by mail, 25 cents each; 4 for 75 cents; 12 for \$2.00.

"Mock dwellers mid you terror stricken cliffs! With brows so pure, and incense breathing life, Whence are ye? Ind some white-vinged messenger On Mercy's missions, trust your timed germ To the cold cradle of eternal snows.

-Mrs. Sigourney, to Alpine Flowers

14 1

Corridge



VICK'S

New White Branching Aster.

THE FLORISTS' FAVORITE

We have the pleasure of introducing to flower-lovers a variety of Aster having some peculiar and very valuable characteristics. The plant is a strong grower, and its tendency to form numerous branches is very marked. The plant continues to grow later in the season than any other variety with which we are acquainted, and blooms correspondingly late, thus giving its crop of flowers in late antninn, a season when there is always a scarcity of bloom.

The flowers are borne on very long stems and are pure white, being four inches and more in diameter. The petals are broad, long, and many of them more or less twisted and curled in such a manner as to give the blooms the appearance of large, loose and graceful Chrysanthemums. The resemblance is so great that nearly every one would so consider them when seen as cut flowers.

All florists who have seen them greatly admire them, and there is no question that they will quickly find a place for themselves in the flower trade, anticipating, as they do, the Chrysanthemum season by a month or six weeks.

Price, per packet, 25 cents.



New White Heliotrope.

FLEUR D'ETE.

" Heliotropes with meetly lifted brow, Say to me "Go not yet."

—Julia C. R. Dorr.

A valuable addition to this delightfully fragrant class of plants. It is a robust upright grower, and produces freely immense tresses of pure white flowers. Each, 25 cents.

New Goral Begonia

EUGENE VALLERAND.

"The crimson blossams of the coral tree In the marm isles of India's sunny sea." —Moore, "Lalla Rookh."

The rarest and finest of all Begonias. It is particularly adapted to pot culture on account of the beautiful waxy appearance of both foliage and flowers. The habit of growth is neat and quite compact, each plant forming a beautiful specimen. The flowers are a handsome shade of bright coral-red and are greatly intensified in brilliancy by the luxuriant dark green foliage of the plant. A rare and beautiful plant, Each 35 cents; two 60 cents; three 80 cents.





BRAZHIAN MORNING - GLORY.

In this Brazilian Morning Glory (IPOMGLA SETOSA), we have a most meritorious novelty in climbers, which merits the immediate attention of people everywhere, North, South, East or West. It is one of the grandest and most luxuriant plants ever grown, very showy and graceful.

With rose-colored flowers from 3 to 4 inches across and a huge leaf 8 to 12 inches across, the effect is simply en-

The Morning Clories—lovely flavors they—
When yield norming to the sain's first ray,
Son, I homes of trimph, all in sweet across,
Heard only by the eaglest, Praise the Lord I
He who half made the hoping gotten day, I'

- Morecaret Elyngo.

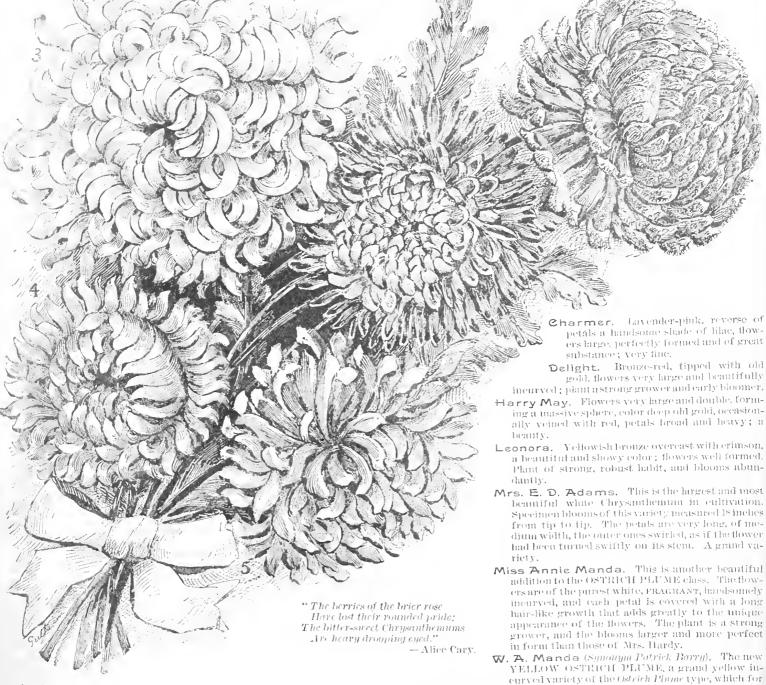
chanting and tropical in the extreme. Growing in its native climate it frequently exceeds the above gigantic proportions, and it is used to furnish screen and shade from the heat of the tropical sun.

It has become fully acclimated in this country and grows here with a luxuriance and freedom which is simply surprising. Its habit is different from our common Morning Glory, in that branches in every direction and intertwines in such a manner as to make it absolutely impenetrable by the sun's rays. The immense leaves are borne the full length of the vine, from the ground to the tip.

Careful tests of this excellent flower, show that from seeds planted the middle of May, the huge trellis was completely covered to a height of 12 feet by the first of August, while by the middle of the month, the vines averaged 35 feet in height. The density of the shade was remarkable, owing to the cross branching and intertwining, as the leaves overlap each other like shingles on a roof. Large seed pods, or curious looking capsules, with the short reddish hairs on the stems, make it unusually ornamental and attractive. It will cover an arbor, piazza, or tree quicker than any other climber we know of. We can conscientiously recommend it to all.—Price, 20 cents per packet.

See Second Cover Page for Particulars of \$2,000 Cash Prizes.

A Set of Grand Chrysanthemums.



Charmer. 3. Mrs. E. D. Adams. 4. Delight. 5. Mrs. Wm. S. Kimball.

N OFFERING these greatly improved varieties of Chrysanthennums, we take considerable pride in glancing over the list; first, because we know each one of them, and have seen their wondrous beauty while the plants were in bloom, and, secondly, because our customers may rest assured that in these new sorts there is a rich treat in store for them, in the way of new shades of color, and flowers that are of the largest size, most perfect and beautiful in form, and only those that have all the desirable features of a strictly first-class Chrysanthemmu.

There are also several grand additions to the superb OSTRICH PLUME type, which is now the most popular style of flower.

The set of eight varieties form a beautiful collection.

ers large, perfectly formed and of great

gold, flowers very large and beautifully incurved; plant astrong grower and early bloomer.

ing a massive sphere, color deep old gold, occasionally veined with red, petals broad and heavy; a

Leonora. Yellowish brouze overeast with crimson, a beautiful and showy color; flowers well formed. Plant of strong, robust habit, and blooms abun-

Mrs. E. D. Adams. This is the largest and most beautiful white Chrysauthemum in cultivation. Specimen blooms of this variety measured 18 inches from tip to tip. The petals are very long, of medium width, the outer ones swirled, as if the flower had been turned swiftly on its stem. A grand va-

Miss Annie Manda. This is unother beautiful addition to the OSTRICH PLUME class. The flowers are of the purest white, Fragrant, hardsomely incurved, and each petal is covered with a long hair-like growth that adds greatly to the unique appearance of the flowers. The plant is a strong grower, and the blooms larger and more perfect

W. A. Manda (Synonym Patrick Barry). The new YELLOW OSTRICH PLUME, a grand yellow incurved variety of the Ostrich Plume type, which for

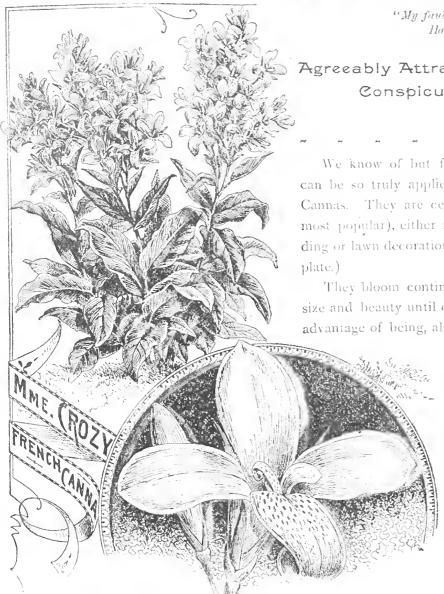
beautiful color and landsome form of its flowers, is entitled to first place in any collection of Chrysauthemums. A yellow variety of the Ostrich Plume class is a novelty that will be heralded with delight and will become more popular than its predecessors, Louis Beechmer and Mrs. Alpheus Hardy.

Mrs. Wm. S. Kimball. A magnificent variety, producing flowers of immense size and beautiful form, with broad, stiff petals, that are of strong and lasting substance. The color is a delicate shade of blush, each petal having a light touch of yellow at the tip, which adds greatly to the beauty of the flower.

Plants, each, 70 cents, or the set of 5 beautiful varieties for \$3,00.

CHRASANTHEMUM SEED from show flowers, selected from our own collection. Price, ?5 cents per packet.

Glorious New French Cannas.



"My faultless friends, the fruits and flowers, Have only smiles for me.

-George W. Bungay.

Agreeably Attractive.

Conspicuously Charming.

Delightfully Distinctive.

Eminently Elegant.

We know of but few flowers in which the extolling adjectives can be so truly applied as to the New French, or Ever-Blooming Cannas. They are certainly the most effective plants (hence the most popular), either for combining with Calladium, etc., for bedding or lawn decoration, or for single plants scattered. (See colored

They bloom continually from the time of planting, increasing in size and beauty until cut down by frost. They have the additional advantage of being, also, splendid plants for pot culture; grown in

> this manner they make beautiful showy plants for the porch during the summer, and before frost they may be removed to the window garden or parlor, where they will continue flowering all winter. Plants that have been grown in the garden all summer may be potted for the same purpose.

These Cannas will bloom the year round if kept in a growing condition.

Madame Crozy. This is the GRANDEST CANNA OF ALL. The flowers are larger in size and more brilliant in their coloring than those of any other variety. The wonderful freedom of bloom is also a very remarkable feature in this variety; the plants commence to bloom when seareely a foot in height, and the massive spikes of

flowers continue forming as the new shoots appear, until the plant reaches its natural height, which is about four feet; they are then crowned with a blazing array of beautiful crimson-searlet and gold bordered flowers, as large as fair sized Gladiohis blooms. The foliage is bright green, broad and massive, and the flowers are beautiful and delieate in their markings. Strong plants, each 50 cents.

Alphonze Bouvier. This is the King of the crimsons as Madame Crozy is Queen of the searlet Cannas, and it is a very difficult matter to decide which of the two is the more beautiful. On first opening, the flowers are intense brilliant crimson, but change to a beautiful deep crimson as they more fully expand. The plant makes a luxuriant growth of rich green folinge and produces large spikes of enormous flowers in wonderful profusion. Plants, each, \$1.00. Capitaine P. de Suzzoni. This is the most beautiful of the

sported varieties; the ground color is a rich shade of canary-yellow, and the entire flower spotted and dashed with a handsome shade of red. The plant has handsome light green foliage. Each, \$1.00.

Francois Crozy, This variety is similar to Mad, Crozy in style and habit of growth, but the flowers are a bright orange bordered with a narrow edge of gold; a desirable and rare color in flowering plants which is a very fashionable one. For bedding and general culture it is equally as indispensable as Mad. Crozy. Each, 50 cents.

Paul Marquant, a very showy variety, with large handsome flowers that are of a bright salmon-scarlet, shading to rosy-caratine, a novel and pleasing shade, toliage dark green. Each, \$1.00.

From Rochester to West Indies.

The plants mentioned in the following letter, must have been. counting delays in New York City waiting for steamer, etc., fully two weeks en route. We take especial pains with all our packing.

KINGSTON, JAMAICA, WEST INDIES, Dec. 6, 1892. Messis, James Vick's Sons,

Rochester, N. Y.

Gentlemen: - Your last shipment of plants, etc., came to hand in excellent condition. I could not have desired better and healthier plants.

The Carnation (Nellie Lewis) and the Hydrangeas were something astonishing. They looked as if they were only taken up out of the garden an hour previously. I must certainly commend your packers on the manner in which they executed my last order, which also gave entire satisfaction.

I am, gentlemen, yours faithfully,

OSCAR L. SPECK.

Read Second Cover Page Regarding \$2,000 Cash Prizes.

New Dwarf "Little Gem," Ever-Blooming Palla.



LUTTGE GEM CALLA.

"Is not this lift prive?
What faller can provide
A white so perfect, spaless, clair.
As in this flower dath appear."—Quarles.

This charming Calla is of dwarf, compact habit, and is far better adapted to put calture than the old tall growing variety. It is a TRUE EVER BROOMER, producing flowers almost without intermission. It may be planted in the garden through the summer it preferable, where the same freedom of bloom will manifest itself. Like the old Calla it should be potted before frost and moved to the conservatory or window garden where it will bloom continually all winter. The dwarf, compact habit of the plant, and its lustrous dark green foliage and large snowy-white flowers, make this one of the most BRAUTIEUE and BESTRABLE pot plants EVER INTRODUCED.

Strong blooming plants, each, 25 cents.

Centrosema Grandiflora. The Large Flowering Hibiseus.

Many old and neglected plants are really valuable.

and prove eminently satisfactory.

Just such a plant is Centrosema grandiflora. It is a perfectly hardy, perennial vine of rare and exquisite beauty, which blooms early in June from seed sown in April, and bears in the greatest profusion inverted, pea-shaped flowers from 1½ to 2½ inches in diameter, ranging in color from a resy violet to a reddish purpic, with a scool feathered white marking through the center. The large buds and back of the flowers are pure white, making it appear as if one plant bore many different colored flowers at one time. Occasionally plants bear pure white flowers, while others are white feathered. The flowers are produced in the greatest abundance, sometimes 0 to 8 in a single cluster.

The stem and follage are very general, and or a delightful odor. The murgistens paced in catering

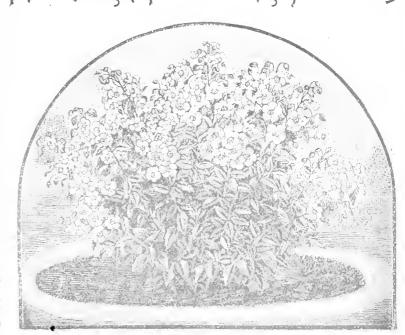
main fresh for meny days.

It is well adapted for every good in , urpose and especially as a climber, an aire 6 to a cert in a sension. Even in the peoplest soil is will be on freely until our down by trost. Peles, 25 c. als polytekel.

and the first find from the Co.

PHLOX DRUMMONDH FIMBRIATA AND CUSPIDATA.

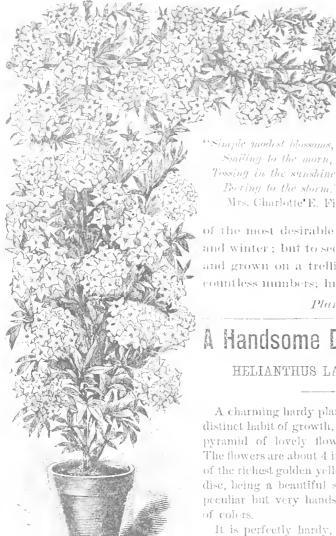
These Phloxes must be regarded as highly original novelties. While the petals of all other Phloxes are entire, of these varieties they are partly fringed and partly three-toothed in *P. fimbriata*, and in *P. caspidala* the central teeth of the petals are five or six times as long as the lateral ones, projecting like little spines, giving the flowers a regular star-like form. The beauty of the flowers is enhanced by a white margin which borders the edges of the petals. There are already many distinct colors. Owing to their disposition to cross spontaneously, we offer these two classes in mixture only. *Price, per packet, 15 cents.*



This elegant shrub is perfectly hardy in any place and is one of the most beautiful hardy flowering plants we have. Each spring they send up numerous branches, which from well established roots grow to a height of five to six feet.

The flowers are as large as a saucer, very attractive and produced in great profusion from July to September. The colors range from pure white to blush and deep pink. This is one of the most beautiful and showy lawn plants of recent production

Each, 25 cents.



SOLANUM JASMINOIDES GRANDI-

SOLANUM JASMINOIDES GRANDIFLORUM.

A beautiful new plant of trailing or climbing habit, that will attain a height of 3 to 5 feet, or it may be grown to a bush form by pinching back occasionally. The flowers are borne in large panicles, or clusters, pure white in color, with a violet tinge on the back of petals. It is one

of the most desirable plants for pot culture, as it is a constant bloomer both summer and winter; but to see this plant in all its grandeur it should be set out in the garden and grown on a trellis; here the large panieles of bloom will be put forth in almost countless numbers; lumdreds of them will be produced on a well grown plant.

Plants each, 25 cents; 3 for 50 cents; 7 for \$1.00.

A Handsome Dwarf Sunflower.

HELIANTHUS LATEFRONS.

Smilling to the morn.

Tossing in the sunshine.

Buring to the storm.

Mrs. Charlotte E. Fisher.

A charming hardy plant that is of neat, distinct habit of growth, forming a perfect pyramid of lovely flowers and foliage. The flowers are about 4 inches in diameter, of the richest golden yellow; the center, or disc, being a beautiful shade of brown, a peculiar but very handsome combination

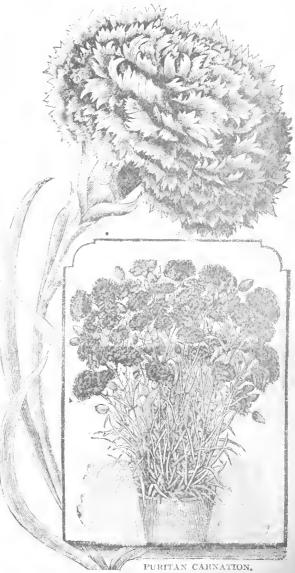
It is perfectly hardy, blooms profusely from July to September, and is one of the most beautiful and showy plants we have for the garden. Plants, each 20 cents.

Your lawn to be a Perfect Success, should be sown with Vice's Velvet Lawn Grass Seed. See page 101, and for Clover, page 11

Instead of dressing the lawn with manure, use Vick's Velvet Lawn and Plant Fertilizer. See page 107. Its results are permanent and very satisfactory.

NEW WHITE CARNATION "PURITAN."

This is simply superb and pleasingly perfect. It is a seedling from Hinzie's The flowers are always of the PUREST WHITE and largest size, measuring from 21/2 to 3 inches in diameter, on LONG STIFF STEMS and NEVER BURST the calyx; they are of great substance and last a long time after being cut from the plant. Cut blooms of this variety have been kept in perfect condition for TWELVE DAYS. The plant is of excellent habit, a strong bushy grower, and of an unusual healthy constitution. The large size of the flowers, their excellent keeping qualities and delicate fragrance, places this lovely variety far in the lead of all others. Plants, each 25 cents.



\$2000. Cash Prizes. See Second Cover Page.

A Most Decided Novelty.

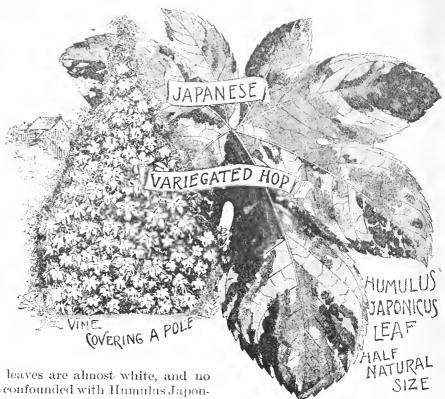
ELEGANT IN DISPLAY. DISTINCTIVE IN MARKING. ADMIRABLE FOR DECORATION.

This Japanese variegated Hop was was introduced in Europe by the well known German specialist, Roemer, and we are the first to offer it for sale in America. It has interested all who have seen if growing in good condition. At a little distance it looks like a mass of small white flowers, spotted in amongst the green. The illustrations shown are direct from the plants.

It is an annual, a very rapid grower, useful and ornamental. The leaves (averaging from 6 to 7 inches across) are beautifully and distinctly marked with silvery white, yellowish green and dark green, partly regularly striped, as well

as marbled and blotched. In many cases the leaves are almost white, and no green-leaved branches appear. This is not to be confounded with Humulus Japonica on page 54, which has only green leaves.

It is not injured by insects, does not suffer from the heat and it retains its fresh, lovely variegated and densely packed foliage until cut down by frost! The plant is very vigorous, and will rapidly cover porches, fences, summer houses and rustic arches and gateways. Price, per packet, 25 cents.



NEW SWEET PEAS.

During the past few years many beautiful new varieties of Sweet Peas | Peas, Orange Prince. One of the most distinct. Standard pink have been produced, a few of which are in our original list without having special attention called to them. These new sorts produce larger and better-formed flowers, of greater substance, than the older ones, and form a group of rare and exquisite beauty.

The varieties offered below embrace nearly or quite all that have been brought out up to the present time.

Peas, Queen of England. A new white variety of extra large size and good substance.

Apple Blossom. Standard bright pinkish-rose; wings blush; very free bloomer; one of the best.

Blanche Ferry. A new and beautiful variety. Pink and white. Boreatton. A fine dark variety, with large flowers. Standard rich shining bronzy crimson; wings beautiful crimson-purple.

Cardinal. A splendid robust growing variety, producing a great profusion of bright shining crimson-searlet flowers; very landsome, Duchess of Edinburgh. A very beautiful variety. Standard light searlet, wings flushed with crimson, slightly marbled and

splashed at the edge with creamy-white; wings deep rose. Fairy Queen. Wings white; standard blush, pink penciled; very deliente.

Imperial Blue, Very distinct. Standard rich purple, wings bright blue, shaded with mauve.

Indigo King. Standard dark maroon-purple; wings clear indigo blue.

Invincible Carmine. The brightest colored of all, being of an intense crunson carmine. In general appearance it resembles Invineible Searlet, but is far in advance of that variety for cutting purposes as well as for garden decoration.

Isa Eckford. Charming variety, the flowers being a beautiful creamy white, suffused with rosy pink.

Lottle Eckford. Exquisite in fragrance, form and eolor.

and orange, flushed with searlet; wings bright rose, veined with pink. Princess of Wales. A fine variety; shaded and striped with

mattive and purple on white ground.

Queen of the Isles. Scarlet, mottled white and rosy purple. Splendor. Rich bright pinkish rose, shaded with crimson. A very distinct and superb variety.

The Queen. Standard light rosy pink; wings light mauve.
Vesuvius, Violet and rose. Distinct, but not brilliant.
New Varieties Mixed. We have prepared a special mixture of

the best and most distinct of the new varieties, which we offer at the following prices:

Price, per packet, 10 cents each, 6 for 50 cents, 12 for 90 cents. For Vick's Invincible Sweet Pea Mixture see Specialty pages.

Eckford's Latest Novelties.

That famous Englishman, Eckford, has done more to improve Sweet Peas than any other live firms. Here are his latest, A No. 1, of course.

Mrs. Eckford. Large, handsome, self-colored flower, of the finest substance, a peculiarly delicate shaded prinnose; exquisite.

Dorothy Tennant. Pure violet or rosy mauve, very distinct, beau-

tiful; extra fine. Lemon Queen. Delicate blush pink, standards tinted with lemon,

with blush almost white wings; a very pleasing variety, large, grand. Her Majesty. A beautiful soft rosy pmk, very large, showy, handsome; a flower difficult to describe; very grand.

Waverly, Rosy claret shaded standards, pale blue wings shaded with rose; very distinct.

Either of the above, per packet, 25 cents, set of 5 for \$1.15.

NEW MONTHLY ROSES.



"Then Rose, sweet Rose,
with blush and smile,
And breath in which
all sweets are drowned,
Thou com'st to bloom
for us awhile;
And with thee
is the summer crowned."
—Dart Fairthorne.

What, of all the flowers, is so gratifying, so eminently satisfactory, and so delightful as a bed of choice Monthly Roses. It was Margaret Etynge, who said:

"For when they hear the tap, tap, tap, Of dancing summer showers, Up from the earth they quickly spring, A million pretty flowers."

The New Monthly Roses which we offer this year are all beautiful varieties, which will readily take their place among the very best, as their superiority will be recognized at once. For richness and depth of color, handsome form of buds and flowers as well as profusion of bloom, they are far in advance of the older sorts. Several entirely new and distinct shades of color are rare acquisitions.

The following are our selections from a great many new varieties grown by us the past season, and we offer only the cream,—those which we believe to be the very best,

Ellza Fugier. A seedling from Niphetos, which it resembles very much in style of flowers, but is a stronger grower and of better habit. Color light cream, sometimes slightly edged with rose. A beautiful variety, with handsome, long, pointed buds.

Henry M. Stanley. Flowers very large, of good substance, full and highly scented. The color is entirely new and distinct, being a delicate shade of amber rose, beautifully tinged with apricot yellow. Fig. 2.

Jeany Guillamez. Clear red, slightly tinged with salmon, center coppery-red, with pale silver shadings, flowers large and double, of good form, buds long and handsome; a vigorous grower. Fig. 3.

J. B. Varrone. Flowers large and double, with high center, color soft chima-rose, shading to bright carmine; a splendid grower; one of the finest new Roses. Very sweet.

Mad, Elic Lambert. Flowers large, full, very double, globular and eup-shaped, outer petals pure white, center a beautiful shade of

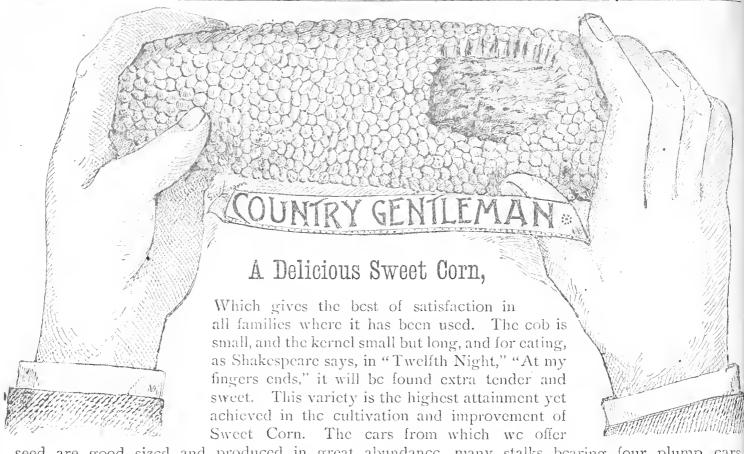
rosy flesh color, sometimes changing to deep rosy-carmine. Plant of vigorous growth and a remarkably free bloomer. A novel color that is sure to please.

Mad. Plerre Guillot. A beautiful variety, with large, long, pointed buds, that are of a delicate creamy-white color, shading to a light yellow at base of petals. Each petal is heavily bordered with bright rose. Very showy and attractive. Fig. I.

Souv. Clairvaux. Color bright china-rose, base of petals aprient shading to mankeen yellow, with toneles of carmine. Flowers medium size, well formed and very sweet. Fig. 4.

Souv. de Lady Ashburton. The novel feature of this sort is, that the flowers are very changeable in color, showing a great variety of shades, such as red, coppery-red, salmon and yellow. Sometimes the flower will be composed of but one color, then again, two or three colors will be distinctly seen.

Plants, each 25 cents; the set, \$1.75.



seed are good sized and produced in great abundance, many stalks bearing four plump cars.

Price, 50 cents per quart; 30 cents per pint; 15 cents per packet.

VICK'S EARLIEST of ALL

SWEET CORN.

What do people look forward to so much as to get the *earliest* Sweet Corn, the juciest and most delicions morsel with which we are favored.

After years of trial and expenditure of money, we are now for the first time able to offer this Corn as THE very earliest. It ripens from eight to ten days earlier than the Cory, or any other variety, and in quality it heads the list. It is sweet, creamy, and delicious, ears mediumsized, but very full.

Price, pkt., 15 ets.; pint, 30 ets.; qt., 50 ets.





This new Melon compared with Kolb's Gem, is larger, earlier, more productive, darker, longer and a much better shipper. It is beautifully striped, very sweet, juicy and tender, averaging 6 to 8 large Melons to a vine. We advise our friends to give it a trial.

Price, 10 cents per packet; 20 cents per ounce; 50 cents per \(\frac{1}{2}\) lb.; \(\frac{5}{2}\) 1.50 per lb.

HEAT DOJATOGS

LORD MACAULAY said-

"The most beautiful object in the world, it must be allowed, is a beautiful woman."

Our customers will agree with us (next fall), that the most beautiful Potato in

the world is our beautiful "Maggie Murphy," with its delicate pink color, as charming as the blush on the cheek of a fair maiden.

We use the word beautiful advisedly, as there can be beauty, even in a Potato. This is not a fairy tale, as the "Maggie Murphy" is well-rounded, large, plump, and as fine as silk, and is bound to come into demand, on account of its quality and its enormous yield, its strong vigorous growth, and the fact that it is blight proof. Many in a hill, yet but few to fill a bushel.

We have been industriously cultivating this absolutely new and perfect variety for several years, in order to get sufficient stock to supply the demand. The price we have made very reasonable indeed, as we desire to give our customers the benefit of a good thing, rather than

make an almost prohibitory price, as is the case in many new varieties.

Price, by mail, postage paid, 1 lb., 75 cents; 4 lbs., \$1.50. By express or freight (not paid), Peck, \$1.00; Bushel, \$3.00; Barrel, \$8.00.

Our Growers Report, October 22, 1892.

Messes, James Vick's Sons :-

"I planted your entire stock of "Maggie Murphy" Potatoes about the middle of June, cutting to one eye, putting only one in a hill, as by your directions. At this date we have not had a frost hard enough to kill the tenderest flower, and the tops of the "Maggie Murphy" are green and still growing, but the tubers are ripe and cook dry and mealy.

When the vines are pulled the large tubers stay in the ground, breaking off nieely from the stem, but I find that they have sent out new white roots and set a new erop of tiny tubers, in most eases from teu to twelve sets on a single vine. This vitality and

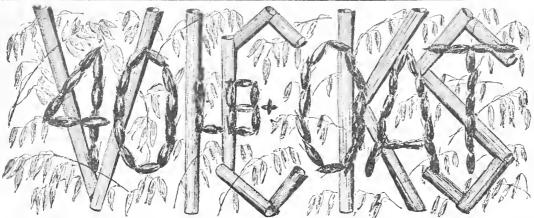
strength is remarkable, and the greatest I ever saw in experimenting with all the best varieties of potatoes for twenty years. This is all the more wonderful, when you consider that in Western New York almost every field of potatoes has been brown and dead with blight,—it is blight proof!

In all our experience, we have seen nothing that approaches the "Maggie Murphy" in beauty, growth, enormous yield, and prime quality. It is bound to be the leader of the whole world."

Yours, Langdon Wall,



Read Second Cover Page Regarding \$2,000 Cash Prizes.



We have but limited space to speak of the favorable recommendation of the growers of this farmers'; very profitable, Oat.

FIRST PREMIUM.

Jos. Stevens, of Crossville, Tenn., says. "I exhibited the 40-lb. Oat at our County Fair and secured first premium. Every one who saw the Oat say it is the heaviest they have ever seen."

NINETY-FOUR DAYS GROWTH.

GEN. GASCOIGNE, of Kendall, N. Y., writes: "I sowed the 40-lb. Oat
April 26, and harvested July 30; yield 8 lbs., which means 97 bushels per
acre; quality good, and think the yield would have been increased per
acre by sowing thicker."

The hardiness and vigor of Vick's New 40-db. Oar is far in excess of any other known sort, while, on account of its extreme earliness the tendency to rust (as in the of late Oats) is greatly diminished.

The grain and straw are bright in color,—the former heavy and plump and the latter strong and stiff, preventing lodging or falling down.

List season we mailed free to 10,000 or

more of our patrons a two ounce packet of the Oats for trial. Since harvesting we have received many hundreds of tes-timonials in their favor. The past year was a bid one for Oats in most sections, but the 40-lb. Oats invariably gaye the best of suffaction, and we are glad to offer to the country such an acquisition,

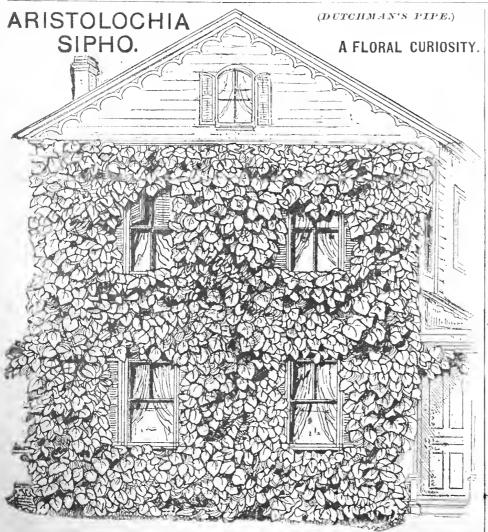
Price, 1 lb., 25 cts.; 3 lbs., 60 cts.; peck, 75 cts.; bushel, \$2,00; 5 bushel, \$8.00.

EARLIEST BY TWO WEEKS.

II. R. SELLECK, of Elkton, Mich., says; "The 40-lb, Oat is two weeks carlier than the earliest varieties grown in our section. It think their greatest merit consists in their extreme earliness, as they would escape rust that often effects our late outs."

FIRST-CLASS.

FRANK R. GRUBB, of Coleta, Ills., writes: "The 40-lb. Oat grows well, large, strong straw, and heavy heads well filled. It is the Oat for Northern Illinois, and can recommend it as a great yielder, excellent quality, and a lirst-class Oat in every particular."



A rapid growing, hardy elimber, attaining a height of thirty or more feet, with large leaves ten inches across, and eurlous, pipe-shaped yellowish-brown flowers. At a distance the vine might be mistaken for a Bean vine, but the flowers can be taken for nothing else but a Dutchman's pipe. It is three or four inches long, a yellowish-green brown, and deservedly give the name to the vine. But it leaves no odor objectionable to the most delicate nerves; it scatters no fire or ashes, and it is a floral enriosity your friends will laugh at, and when they see your vine they will procure one for themselves. (See colored plate.)

Strong plants, 1st size, each, 50 cents; 2nd size, each, 25 cents.

414 OATS ON ONE STEM.

I drilled in the two oz. package of 40-lb. Oats on May 29th, about two mouths too late for this country, and the season was an extremely dry one, but I have 9 lbs, of clean, choice Oats, and the chickens got some before it was ripe to cut. Many single stems produced more than 200 grains each. One stem produced h14 grains. It is the best Oat I ever raised.

L. W. S. Post,
Blachly, Oregon.

CUT TWO WEEKS AHEAD.

We sowed the 40-lb, Oat same day as our neighbor sowed his crop, and we cut ours two weeks ahead of him. They were nice bright heavy Oats, just what we want in our light soil.

MRS. LIZZIE A. BARTLEY, West Sunbury, Pa.

"40-1,B." 3 FRET VS. OTHERS 1 FT.

I raised 10 lbs. from my 2 oz. packet of 40-lb. Oat, and I think in any good year it will be far ahead of any Oat I have ever tried. When my main crop stood one foot high the 40-lb. was three feet high. SARAH DUMAN, Seneca, Kansas.

TWENTY-TWO POUNDS FROM TWO OUNCES.

The 2 oz. of seed of the New 40-lb. Oat produced 22 lbs, of clean Oats. It is a great yielder and very early.—Jackson Sawyer, Beatrice, California.

CANADIANS REPORT SUCCESS.

The yield from 2 oz. packet of 40-lb. Oat was 14 lbs. I think the Oat will be a success in this part of the country; the sample is fine.

CHAS. ALLEN, East Linton, Canada.

THIRTY-SIX BUSHELS TO ONE OF SEED.

I sowed the sample package of 40-lb. Out and find they yield thirty-six lushels to one of seed. Our native Outs yield from 7 to 10 bushels; 10 bush, was a good average yield this year. So the 40-lb, Out is the Out for us. Winslow H. McIntire, Plymouth, Maine.

TEXAS REPORTS "40-LR," THE BEST.

I had a splendid yield from the 2 oz. package of 40-lb. Oat. We did not sow till late, weather very dry, no rain for six weeks, still the straw was strong, standing h feet high, and was very carly. Think it the best kind of Oats for the coast of Texas.

Peter Rosmussen, Port Lavaca, Texas.

TWO WEEKS EARLIER IN VERMONT.

The 40-lb. Oat, were just two weeks carlier than by main evop of Weleome Oats. I like them rell. C. M. Densmore, Jamaica. Vermont,

AREAD OF ANY IN FIFTY YEARS.

I have raised Oats more than fifty years, and thousands of bushels some years, and some very fine varieties (so considered by good judges), but the ho-lb. Oat is ahead of any Oat I have ever seen. They are all and more than you claim for them.

E. R. NICHOLS, Rawson, N. Y.

FREE FROM SMUT.

The 40-lb, Oat is all you claim for it. They are nn extra fine quality, were free from "smut," while other Oats near them were badly affected EMORY PRESTON, Tipton, Mich.



SPECIALTIES.

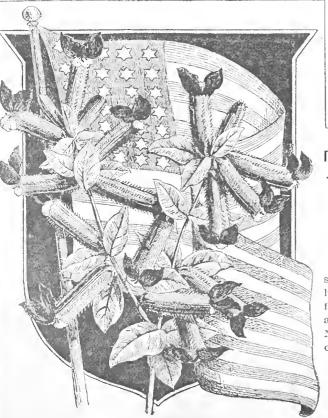


ACHILLEA, "THE PEARL" A Grand Amaryllis, "Empress of India."



sirable for the garden or cometery, as it blooms nearly the whole season.

Plants, each, 20 cents; three for 50 cents; seven for \$1.00.





Extra strong bulbs, each, 75 cents. Strong bulbs, each, 50 cents.

The Red, White and Blue Flower, Cuphea Llavae.

"A song for our banner? The watchword recall

Which gave the Republic her station; 'United we stand, divided we fall,'

It made and preserves us a nation!"

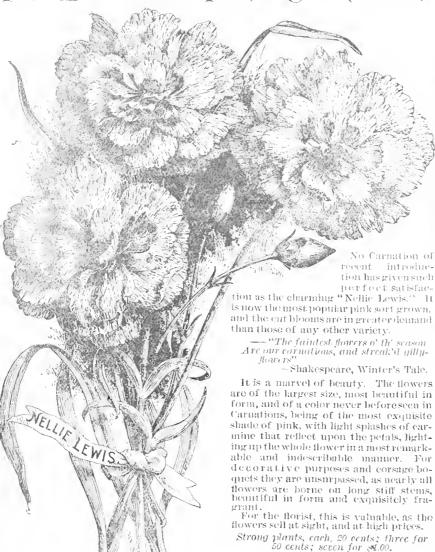
- George P. Morris.

Among the many plants of recent introduction which we had on trial the past season, none were more admired than this little beauty. It is of low growing habit, forming a very unique plant that is well covered with brilliant tube-shaped flowers. The rare and beautiful combination of colors displayed in this flower are Red, White and Blue, which is at once suggestive of its semblance to our NATIONAL FLAG. It is well adapted for general uses, such as bedding out, pot culture or hanging baskets, and will become a great favorite.

> "First the blue and then the shower; Bursting bud and smiling shower.' -Mary Mapes Dodge.

Plants, each, 20 cents; three for 50 cents; seven for \$1.00.

The Beautiful Pink Carnation.



A HANDSOME SPOTTED BEGONIA



SPOTTED BEGONIA.

(Argentea Guttata).

A remarkably fine variety with purplish bronze oblong leaves, that are handsomely marked with silvery spots and dashes. The flowers are borne on the tips of the branches in large clusters, and are of pure waxy-whiteness. It is a good plant for window culture, easy to grow and always attracts attention by its finely formed and showy leaves and majestic appearance.

Euch _____25 cents.

SHOWY FRENCH CANNAS.

The Ever-Blooming Canna, Star of 1891.



CANNA, STAR OF 1891, GROWN AS A POT PLANT.

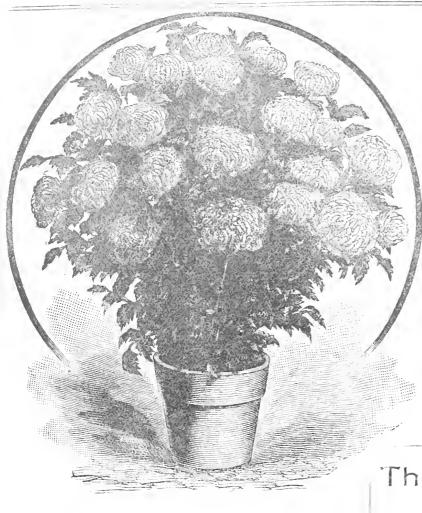
Brilliancy of color, freedom of bloom, large, showy flowers, and all other good qualities that seemingly can be possessed by one class of plants are concentrated in this wonderful Canna, Star of 1891. It has bandsome foliage, large, gorgeous trusses of brilliant orange searlet flowers, faintly banded with a lovely golden yellow color. Every sprout produces a flower-spike, these in turn produce other branches, each of which bears large trusses of bloom. The neat, dwarf habit of the plant makes it equally as desirable for pot entiture as bedding, so that a plant which has been bedded out through the summer, may be potted out for winter blooming in the house; a plant will not cease blooming as long as cared for.

Price of strong plants, each, 35 cents; dozen, \$3,50.

The new French Ever-Blooming Cannas are now among the most desirable and popular plants for bedding purposes; and to become acquainted with their beauty one should have a display of these lovely plants the coming season. The six varieties named below will make a very hundsome bed, of which no one will have cause to be ashamed; but if the new varieties MAD. CROZY and STAR OF '91 are added, they will greatly increase the brilliancy of color and produce a grand effect.

The set of six varieties named below for \$1.25; with Mad. Crozy, \$1.70; with Star of '91, \$1.50; or the entire set of eight varieties, enough for a grand display, \$2.60.

Revol-Massot, foliage green, spikes strong, flowers a beautiful garnet color; dozen, \$2.50.....



THE WHITE OSTRICH PLUME

GHRYSANTHEMUM

"MRS. ALPHEUS HARDY."

"Tis thus the White Chrysanthemum, whose odors sweeter rise, When lying crushed, an enthem is of love that never dies."
—Jendwine.

This remarkable and exquisitely beautiful new Chyrsanthemum is without exception the finest variety yet introduced, and possesses all the qualities necessary to become a universal favorite with amateurs and florists for its great value for cut flowers and exhibition purposes. The flowers are very large, of thick substance, perfect shape, and belong to the incurved Japanese section, while the color is of the purest white. Its unique character consists in its fine downy appearance, which is produced by the glandular hairs which cover the petals, and which has been frequently described as producing a fluffy effect, similar to that of an ostrich feather.

Plants, each, 20 cents; 3 for 50 cents; 7 for \$1.00.

The Pink Ostrich Plume

CHRYSANTHEMUM

"LOUIS BOEHMER."

This variety is identical with Mrs. Alpheus Hardy in the strange yet beautiful formation of its flowers. The peculiar soft feathery growth on the petals has suggested the title of OSTRICH PLUME to these varieties. This name is well applied, as at first sight one is particularly impressed by the SOFT FEATHERY GROWTH with which the flowers are thickly studded. In color the LOUIS BOEHMER is an exquisite shade of silvery-pink, with deep rose on the inside of the petals. It is one of the strongest growing varieties in cultivation, and with only ordinary care is certain to produce beautiful, large, perfect flowers.

Plants, each, 20 cents; three for 50 cents; seven for \$1,00.

Both varieties of the OSTRICH PLUME should be in every collection of Chrysanthennums, therefore we will offer one plant each of pink and white for 30 cents.

IVORY CHRYSANTHEMUM.

IVORY.—The flower is snowy white, of perfect incurved form, very large; borne upon long stems. Especially desirable for amateurs as a grand pot plant. This is undoubtedly one of the most useful introductions of late years, as it is an early variety, of dwarf habit and free flowering. Plant, 20 cents.

Carnation -- New Marguerite

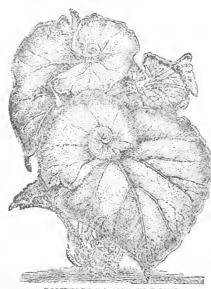
This grand new class excels in all respects; it is the most professe bloomer of any of the "Pinks." Exquisite in color, showing beautiful shades in white, reds, pink, variegated, etc. It is large in size, perfect in form, of dwarf habit, compact and very robust. This variety should be cultivated by all lovers of this most beautiful family of "Pinks." Perpatchel, 20 cents.

The Wonderful Cork-Screw Begonia

COMTESSE LOUISE ERDODY.

This charming and peculiar variety belongs to the Rex class, but is entirely different and distinct from all other sorts, on account of the singular formation of the leaves, which wind in spiral-like form as shown in the engraving. The foliage has a rich metalic-lustre, dark and silvery in the center, shading to coppery-rose at outer edge.

It is a plant of marvelous beauty, and so rare and attractive in



COMTESSE LOUISE ERDODY,

appearance that it always commands attention and is greatly admired by every one. Strong plants, each, 30 cents.

\$2,000 Cash Prizes, See Second Cover Page.

Columbian Collection of Dahlias.

The varieties in this collection are all strong growers, great bloomers, with large double flowers of the finest form, When well grown the plants produce an immense number of flowers, and all in great perfection, and are among the finest and most striking specimens of the gardener's skill. They have been selected for their reliable character and fine points of all kinds, and as forming a group of the strongest contrasts in colors.

Bird of Passage, large, very perfect in form; while, tipped with | Fanny Purchase, a strong vigorous plant, branching freely and pink, a deliente combination.

Client, an creet growing plant, bearing a profusion of large flowers borne on strong long stems; color a rich crimson.

Dude, a very full, high centered flower; purplish-lilac.

flowering abundantly; flowers bright yellow, very handsome in form. George Rawlings, a large full flower, very symmetrical; very dark maroon ; a magnificent variety.

Woman in White, a large, pure white flower, perfect in shape,

horne plentifully.

See colored plate, painted from average bleoms. Sold only in collections. One of each, set of six, \$1.00; two sets, twelve bulbs, \$1.75.

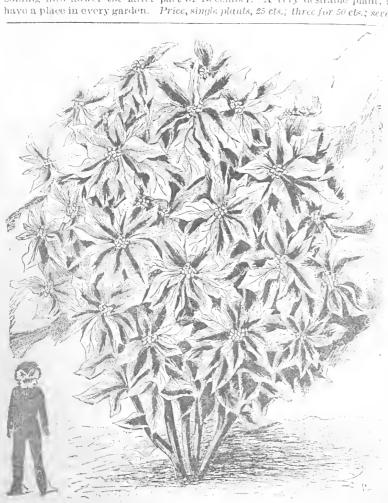
CHRISTMAS -: ROSE.

(HELLEBORUS NIGER.

"What a frosty-spirited regal is this" Shakespeare, Henry IV,

These plants will biid and bloom in spite of frost and snow, in the open ground. They seem to enjoy a winter with plenty of snow, beginning to bloom before Christmas and continuing through the winter,

Placing the flowers in cold water after cutting, will draw out the frost, and they will keep a long time in water. It is about one foot in height, with handsome, shining dark green foliage, and sends up numerous flower stems, each having one or two large white flowers that are compared to single white roses. The flowers are fine for cutting; the buds, equal to white rose buds, are admired and much used for button-holes. Plants taken up from the garden in September and potted, can be bloomed in the window, coming into flower the latter part of December. A very desirable plant, and should have a place in every garden. Price, single plants, 25 cts.; three for 50 cts.; seven for \$1.00,





EUPHORBIA.

(Euphorbia Heterophylla.)

Known as "Fire on the Mountain," "Mexican Fire Plant," "Annual Poinsettia," and "Painted Leaf."

> "The anemone in snory hood, The sweet arbutus in the wood. And to the smiling skies above Say, Bend brightly o'er my love." -Mary Clemmer,

An annual, forming bushy plants three to four feet high, with highly ornamental leaves, which become flared with dark fire-scarlet, leaving only a small tip of green. Easy of cultivation, growing in places fully exposed to the sun, which brighten and hasten the coloring. It can also be grown in pots and moved about at pleasure, and interspersed with palm, etc., the effect is fine.

Prece, per packet, 15 cents; 2 for 25 cents.



A Charming Fuchsia,

"TRAILING QUEEN."

- "But who can paint Like Nature! Can imagination boast Amid its gay creation, hues like hers? Or can it mix them with matchless skill. In every bud that blows."

This beautiful Fuchsia is entirely different from all other large flowering varieties, as it takes the form of a trailing vine. As soon as the young plants start into growth, they go trailing downward, branching freely, until the vines are three to four feet in length, and form a beautiful mass of elegant flowers and folinge. The flowers are very large, long and graceful; the tube and sepals being bright rosy-searlet, with a deep, rich violet-purple corolla, which changes to a haudsome shade of crimson. The plant is a strong, free grower, blooms abundantly, and will become one of the most popular Fuchsias in cultivation. Its beautiful trailing habit makes it one of the best plants we have for window boxes or hanging

baskets, as it not only gives us handsome foliage but a profusion of flowers as well, and such as cannot be obtained on any other plant.

Strong plants, each, 25 cents.

The Brilliant Ceopard Plant,

FARFUGIUM GRANDE.

The Farfugium is a decorative plant of the highest order. Its beautiful showy foliage, ease of culture and general adaptability for growing in the house or window garden, should make it one of the most popular plants in cultivation.



The leaves are large, thick and leathery, of a rich, dark, glossy green, and handsomely illumed with showy yellow blotches, of various forms and sizes. It is also well adapted to out-door culture, a warm, partly shaded situation suiting it best. Strong plants, each, 35 cents.

CERANIUMS.

-M. M. Ballon.

"A charm has bound me with witching power,

That, midst your sweets and midst your bloom

For mine is the old belief,

There's a soul in every leaf."

SINGLE. Souvenir de Mirande. This is the grandest novelty in Geraniums that has appeared for a number of years, and is entirely distinct from any variety in existence. The florets are large, nicely rounded, and have a very large pure white eye, that is well extended around the flower, but more prominent on the upper petals; this gradually deepens in color towards the outer edge to a bright rosy-pink, forming a contrast that is very striking as well as pleasing, even to the most fastidious. The labit of the plant is good, and it may be classed as one of the freest bloomers in cultivation; without an equal for either bedding or pot culture.

Meteor, a splendid variety with large trusses of brilliant searlet flowers, that have a small but distinct pure white eye. Plant of good habit, free bloomer. M. Poirier, the truss and individual florets of this variety are exceedingly large and well formed; color beautiful carmine-violet, fine.

DOUBLE.

Dr. Guyon, flowers beautiful violet-rose with white markings in the center; a splendid variety for either bedding or pot culture.

Mad. Ayme de la Chevreliere. In this variety we have a marvel of beauty. The flowers, in addition to their extraordinary size, are of the purest snowy whiteness. Better in form and superior to any double white yet infroduced.

Ray Blas, immense well formed trusses of rosypeach colored flowers, the center of which is beautifully illumed with flaming salmon; showy and effect-

Plants, each, 20 cents, or the set of six beautiful



varieties for \$1.00.

See Second Cover Page for Particulars of \$2,000 Cash Prizes.

THE NEW HYDRANGEA.

RAMULIS COCCINEIS

"Fairest and most lovely,
From the world apart,
Made for beauty only,
Veiled from Nature's heart,
With such unconscious grace as
makes thee dream of Art."
—Rose Terry Cooke.

It is impossible to impress upon any one the wondrous beauty of this superb Hydrangea; even the smallest plants bear immense trusses of bloom, that are simply amazing. The engraving is taken from a photograph of a young plant, and well illustrates the profusion with which the large flower heads are produced.

The branches are of a dark red color, brightening to clear crimson as they near the flower heads, which are a beautiful shade of deep rose.

This is a plant of sterling merit; one of the easiest to grow, and is sure to succeed with only ordinary care.

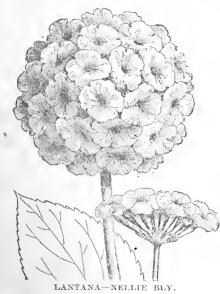
Plants, each, 25 cts.; three for 60 cts.; six for \$1.00.



SWEET SCENTED LANTANA,

NELLIE BLY.

"Nor waste their sweetness in the desert air"-Churchill.



A sweet scented variety of this beautiful class of plants is indeed a rarify; would there were more of them. The disagreeable odor emitted from the common sorts has always kept them from becoming more popular.

In our new variety, Nellie Bly, we have one that produces large trusses of beautiful white flowers, which have a delicate, sweet, spicy fragrance, that is very pleasing. On opening, the flowers have a showy lemon-yellow center, but this soon changes so as to leave a beautiful truss of pure snowy whiteness.

The plant is a strong grower and blooms profusely.

Each, 25 ets.; three for 50 ets.

Manettia Vine. — Manettia Bicolor.

A beautiful twining plant, producing very showy tubular flowers from one to two inches in length, and in such great abundance that the plants are literally covered with them the entire season. The flowers are of the most intense flery-scarlet, with bright yellow tip; they are also covered with a moss, or hairy substance, that adds much to their beauty. As a pot plant to train on a trellis, it is unrivalled; grown in this manner, it will bloom without ceasing for several years, if well-cared for. In the open ground it also succeeds admirably, growing from eight to ten feet in height, and showing at all times innumerable phospons. It is a plant of rare beauty. Plants, each, 10 cts.; three for 50 cts.; seven for \$1.00

Genista Canariensis.

"And in my heart you're shrined, oh, peerless flow'rs!

Oh! loyal friends, whose true love never dies!"

---Madge Elliot.

This is the beautiful yellow flowering plant that is grown so largely for decorative purposes at Easter time. The flowers are a rich golden yellow and produced so freely as to literally cover the plant with bloom,

It is of the simplest culture, and can be grown to perfection with only ordinary care, in any window garden or conservatory. It is also one of the few plants that are always in demand after they have obtained considerable size. Good specimens of this variety sell readily at \$10 to \$15 each, and larger ones in proportion. Those who have never grown this lovely plant will be delighted with it.

Strong plants, each, 25 cents.

The Hardy Moonflower,

IPOMŒA PANDURATA.

This beantiful climber is therous rooted, perfectly hardy, and will therefore increase in size and beauty with each season's growth. The flowers are very large, from four to six inches in diameter, pure white, shading to pink, with a handsome purple throat; and they are produced in such wonderful profusion that a well established plant will have hundreds of these magnificent blooms upon it at once, making a grand sight. The flowers open in the daytime and last for several days before fading; they are larger and more showy than the ordinary Moon flowers.

It has so many desirable features that it will become more popular than any other.

Each, 25 cents; five for \$1.00.

BRIGHANT POPPY.

This last year's novelty was received with favor wherever grown. It is a superior variety of strong, robust growth, from 2 to 3 feet high.

Flowers having the petals fringed and presenting a variety of bright colors; these are pure white, white with a pink tinge, searlet, rose, purple and other shades. The ends of the petals or fringes are frequently of a deeper tint than the rest, and are so beautifully blended and bright as to be almost dazzling to the eye. Round as a ball and perfectly double. Unsurpassed for cutting, as they keep much longer than the ordinary Poppy. There is no easier plant to raise from seed than the Poppy, and a good breadth of the Brilliant in the garden border will make it bright and gay. Price, per packet, 15 cents.

" A drowsg balm for every bitter smart,
For happy hours the Rose will idly blow—
The Poppy hath a charm for pain and wor,"
—Mary A. Barr.



DOUBLE :: DAISY.

Snowball. Of all the daisies grown from seed this is decidedly the best. It is an unusually large type. The flowers are perfectly double and of the purest white, having stiff, long stems; it is most valuable for cutting for bouquets.

Price, per packet, 20 cents, or three for 50 cents.



This is one of the handsomest plants in existence for pot culture. It is beautiful in form. ALWAYS IN BLOOM and does not require any special care or treatment to be grown to its greatest perfection. Ordinary soil, a fair amount of sunshine, and water when necessary seem to meet all its requirements. The plant grows from 12 to 15 inches in height, branching freely, like a small tree in form, with dark olivegreen foliage, underside of which is a beautiful crimson.

The flowers are in clusters, star-shaped, of a bright golden yellow color that harmonizes beautifully with the elegant foliage of the plant. This is a true ever blooming plant, that is in FULL BLOOM EVERY DAY IN THE YEAR.

Plants, each, 20 cents; 3 for 50 cents.

Poppy, "The Tulip."

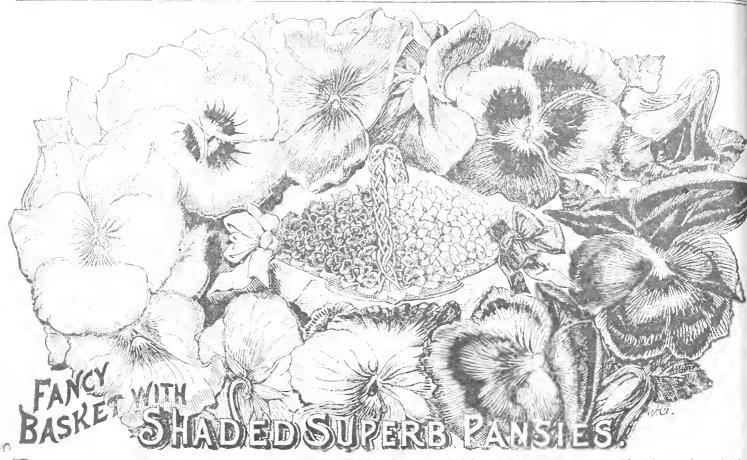
A new and distinct variety and a decided novelty. Plants from twelve to fourteen inches high, producing well above

the foliage fifty to sixty large and splendid flowers of the most vivid scarlet imaginable. From a mere description no adequate idea can be gained of its strikingly beautiful effect. It commences blooming early in June, and flowers abundantly and in uninterrupted succession for a period of six to eight weeks.

Price, per packet, 15 cents; two for 25 cents.



"\$2,000 Cash Prizes, see second cover page."



HE Princess of Wales' favorite decoration is a basket filled with Superb Pansies shaded from light to dark, trimmed with ribbon as shown in the center above. We know of no flower so companionable and life-like. It requires no great stretch of the imagination to believe that they understand, and are proud (in a modest way, of course,) of our admiration. Even our Pansy sailors, scattered all through this 1893 GUIDE, have a winning way with them. Apart and away from all common varieties we have grown these Superb Pansies to Glorious Perfection, and the seeds are only from the finest selected flowers. In many cases they grow from three to four mehes across. For some of the choice varieties see colored plate, which is true to nature, having been painted directly from average flowers. Price, per packet of "Superbs," 50 cents; two packets, 80 cents; three packets, \$1.00.

Open your eyes, my pansies sweet—
Open your eyes for me.
Where did you get that purple huc?
Did a cloudlet smile as you came through?
Did a sunbeam hold
Kiss on your lips that tint of yold?"—Maxie.

MEXICAN PRIMROSE.

"Music, sweet music, sounds over the earth;

One glad choral song greets the primrose's birth."

— Eliza Cook.

A charming plant which in its freedom of bloom excels all others. The young plants commence to bloom almost as soon as they are potted from the cutting beach, and will continue to bloom throughout the entire year, and the year following, if grown in pots. A good specimen plant will always show from one to two dozen flowers. The flowers are almost three inches in diameter, cup-shaped, of a beautiful bright pink color, with scarlet veins, and have a large, showy, white center. It is a plant of easy enlture and will succeed in any soil or situation, therefore one of the most desirable for winter culture. In the garden it grows freely and blooms in great profusion all through the summer and autumn. If you desire a plant of easy culture, that is graceful in form, a constant bloomer, and indeed one of the most lovely plants in existence, you will find it in the Mexican Primrose. Plants, each, 25 cents.

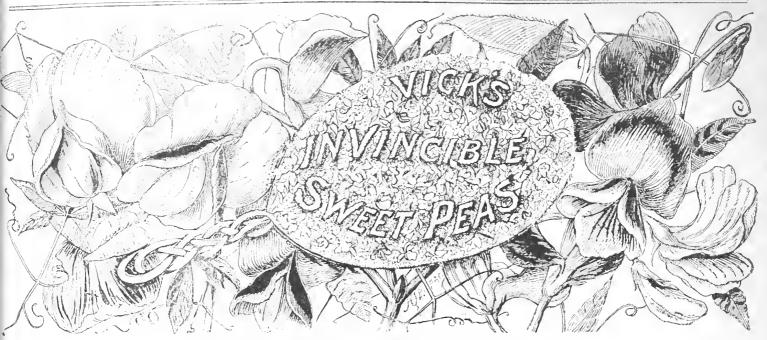
Primrose-eyes each morning ope In their cool, deep beds of grass; Violets make the air that pass Tell tales of their fragrant slope.

-Bayard Taylor,



MEXICAN PRIMROSE,

PANSY PLANTS. Fine Strain. Plants, by mail, prepaid, 10 cents; per dozen, \$1.00.



"The little birds have never sung as sweet as those I know,
A flitting through the gardens where blushing sweet peas grow,"—Nelly Hart Woodworth.

There is nothing in the floral line more graceful or pleasing than the charming and fragrant Sweet Peas.

There is no doubt in our minds that they are the MOST POPULAR OF ALL FLOWERS. As an evidence of this fact the growers for the past two seasons have failed to supply adequate quantities to meet the growing demand, and many seedsmen were forced to make up mixtures that contained but few, if any, of the choice varieties.

We have for several seasons applied our best efforts toward improving, perfecting, as well as increasing our stock of the mixture which we now introduce for the first season as "Vick's Invincible," and which, we have the utmost confidence, will please the most exacting.

For flowers of lively yet delicate colors, varying from the pearly white to the darkest and richest reds and purples, this "Invinelble Mixture" teads, simply because it is the result of culling, season after season, only the choicest and the best from the flowers of the year previous; as it were. "The survival of the fittest."

The many and various colored and shaded blooms cannot fail to give perfect satisfaction. For new varieties see page 12.

Price, Vick's Invincible Mixed Sweet Peas, per packet, 15 cents, or two for 25 cents; ounce, 50 cents.

SPIDER LILY. PANCRATIUM CARRIBBŒUM.

A beautiful flowering bulb of the earliest culture, which produces immense clusters of large, white, fragrant flowers. The center of the flower is cup-shaped and the divisions drawn out into long, slender processes, which have been compared to Spider's legs, hence the name "SPIDER LILY," It is a rare and meritorious plant.

After the season's growth they should be kept in a partially dormant state, receiving only water enough to keep the soil slightly moist. Strong hulbs, each, 25 cents; three for 60 cents.



Calliopsis Golden King.

During the past two years a new variety of dwarf growth has been on trial with us, and has proved most satisfactory and desirable plant. It grows to a height of only ten or twelve inches and blooms profusely. The flowers, or heads, are an inch and a half or two inches in diameter, the margin of a fine bright yellow and the center a rich maroon. This variety is known as the Golden King, and will become very popular when known. Its low-growing habit will make it available in many places where the taller varieties would be unsnitable, hence it will not replace or come into competition with them, but will add to the richness and brightness of our gardens by its own peculiar beauty.

The Calliopsis as a garden flower, is one of the most popular of the annuals, and no one acquainted with it will omit it from a collection. As a flower it is equally admired in a growing or a cut state, and it has become customary in good gardens to raise it in liberal quantities.

Price, per packet, 15 cents

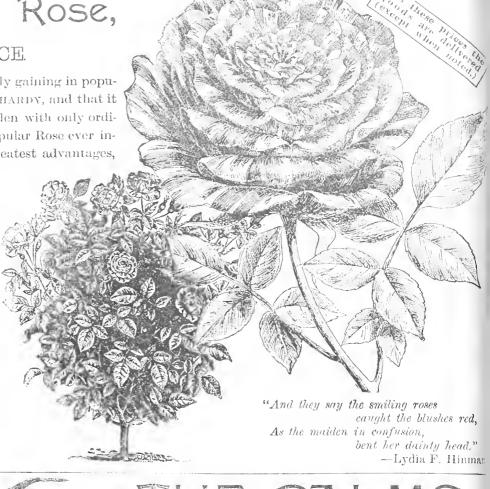
New Striped Rose,

VICK'S CAPRICE.

This rare and beautiful Rose is rapidly gaining in popularity. The fact that it is PERFECTLY HARDY, and that it can be grown to perfection in any garden with only ordinary culture, will make it the most popular Rose ever introduced. We esteen this one of its greatest advantages,

as it may be grown to perfection by the amateur equally as well as by the professional florist. The flowers are large, ground color soft satiny pink, distinctly striped and dashed with white and carmine. It is beautiful in the bud form, being quite long and pointed, also showing the stripes and markings to great advantage, making it a valuable and desirable variety for cutting. It is a profuse bloomer, producing an abundance of flowers in June, and, after the plants are well established, they bloom constantly all through the summer.

Good plants, each, 25 cents; extra strong, 2-year plants, each, 50 cents.



AS DECORATIVE PLANTS for the house many species of Palms as highly prized. Their creet liabit and remarkably striking foliage give them a rare and noble appearance. Some of the species thrive only in a very warm temperature, but others are suited with the conditions of a cou greenhouse or a living room window or a hallway. Happily those specie which will thrive in ordinary heat and with least care are among the hand somest and most desirable of the genus. In their native localities nearly a the Palms grow in full exposure to the sun; and in cultivation they thrive similarly exposed, and yet they will do well at a window where there is little or no direct sunshine. This peculiarity makes these plants adapted to place quite imspired to ordinary house-plants, and while small and of medium siz they are fine table plants. If well cared for, Palms in the house will steadily increase in size until they become grand in their proportions, and such plant have a considerable pecuniary value. A steady but not excessive supply of water, and a fair light, are all the plants demand during the cool season. It summer a more liberal watering is required. The soil should be a substantial fibry loam with a small quantity of well rotted manure. A daily syringing of the leaves is an advantage in summer, but in winter once a week a

sufficient. But in regard to this operation much depends on the atmosphere of the room. If kept in a living room with a dry furnace heat, daily syringing, or spraying the leaves will be beneficial.

We here offer plants of four of the handsomest and most reliable species.

Areca lutescens. This is one of the handsomest and most remaine species. This is one of the handsomest of all the Palms, desirable in every stage of its growth. It is an easy plant to manage and always looks well. Its gracefully recurved and pinnatifid, glossy, green fronds make it a most pleasing object. The trunk and stems become more or less yellow with greenish spots, an added feature of beauty.

Kentia Belmoreana. A graceful, arching-leaved plant, with long, terete, shining yellowish-brown perioles, with the divisions of the leaves from twenty to thirty in number, strap-shaped, and deep green in color. This Pahn has the reputation of being able to standa great deal of ill usage and yet maintain a good appearance. The young plants are very hands and handsome.

Kentia Fosteriana. This species is very similar to the other, but the petioles are a brighter green and the leaf divisions narrower; the general form of the plant is similar to that of K. Belmoreana, but, it possible, more deficate and graceful. A handsome Palm for table decoration.

Latania Borbonica. This handsome Palm has fan-shaped leaves, split into divisions at the apex, and frequently there are threads hanging window, or in contrast with other plants in the greenhouse or conservatory.

Prices, not paid, and sent only by Express, 8 to 12 inches high, 75 cents. Extra fine plants, 13 to 20 inches high, \$1.50.



"When not one sunbeam shines amiss,
And all the air is rich perfume;
There could be but one added bliss,
The bliss of seeing roses bloom."

- Dart Fairtliorne.

In making up our sets of Summer and Winter Blooming Roses, we have selected such varieties as in our judgment will give the greatest amount of beauty, to those who may wish to grow a few varieties only. Each set is composed of standard sorts, many of them being the finest of their class in cultivation.

In consideration of the reduction in price at which these sets are offered, we must reserve the right to substitute in case our stock of one or more varieties should become exhausted.

Rose. Alfred Aubert, bright red, beautiful shade.

Geo. Nabonnand, rosy-earmine shaded with silvery-yellow.

La Princess Vera, rich ivory white, shaded with coppery rellow, veined with pale blush and earmine.

Mrs. Degraw, rich glossy pink, fine.

Monthly Cabbage, a fine old variety; bright rosy-pink; flowers remarkably full and fragrant.

"'Gently, zephyr, fan me gently,'
Sighed the Rosebud red and sweet,

'Ah' the bliss that comes with evening,
After scorehing noonday's heat.'"
—Sidney Emmet.

Rose. Marie Lambert, creamy-white; flowers medium size: very free bloomer.

Mad. Lambert, rosy-bronze, changing to salmon and fawn with carmine shadings, reverse of petals rosy-crimson.

Mad. Marthe Du Bourg, creamy white, lightly bordered with carmine on edge of petals.

Suzanne Blanchet, rose, tinted fiesh color; large and of fine form; very fragrant.

Souvenir de Dr. Passott, a beautiful shade of bright crimson.

Each, 15 cents; the set, \$1.00.

"The wind whispers softly a secret to me:

It has seen the first Rose of June kissed by a bee.

And I see its bright splendor flash out on the spray,

A little red world that will last for a day."

—Eben E. Rexford.



"Life's briars and roses - its gladness and gloom-Do they vanish together? oh, no! The flow rets we pluck, and condense their perfume, The weeds to the desert we throw."

- Browning.

"O, little, faded Rose bud, What memories to thee cling, Of the happy, olden summer, Of the happy, olden spring." - Mrs. Charlotte E. Fisher.

Rose. Perle des Jardins. Rich shade of yellow, very perfect

Rose. Bon Silene. Rich shade of crimson, beautifully tinged with salmon. For many years this variety has been a leading kind for foreing, on account of the great size and beauty of its buds. The flowers on opening are semi-double, which makes it desirable in the bud form only, delightfully fragrant.

Catherine Mermet. One of the finest varieties in cultivation, with buds of the largest size, and handsomest form. The petals are gracefully recurved, so as to show a lovely bright pink center, which gracefully shades towards the outer edge to a very light pink. Plant of strong growth and free blooming habit, very fragrant.

La Pactole, pale lemon.

Mad. Joseph Schwartz. Blush, edged with earmine. Flowers cup-shaped and borne in clusters.

Niphetos. Pure white; very large.

Each, 15 cents;

" And from rose to rose she wandered, kissing here and there Drops of honey dew that glistened, on the roses fair."

- Lydia F. Hinman.

in form, free grower, and very profuse bloomer; extra fine.

Papa Gontier. Brilliant carmine, changing to pale rose; reverse of petals purplish red; large. A magnificent variety that is becoming very popular, on account of the size and beautiful form of its biids.

Bright saffron-yellow, changing to fawn, sometimes Safrano. tinged with rose; beautiful buds; fragrant.

The Bride. This is a sport from Catherine Mermet, and is identical with that variety except in color. The flowers are very large, pure white, borne on long, stiff stems, and very lasting after being cut; fragrant.

Valle de Chamounix. Buck and base of petals bright yellow, center of flowers highly colored with copper and rose.

the set \$1.00.

" Because the rose must fade, Shall I not love the rose?" - Richard Watson Gilder. This is a very

beautifuland

rare plant for all

poses. It is also

one of the few

plants that may

be successfully

grown out of the

sunlight. The

foliage is beauti-

fully striped

crosswise, with

broad, white

bands in dark

green back-

ground and is

very unique and

fancy in appear-

ers are borne in

about one foot

An Elegant Decorative Plant. WATER



SANSEVIERA ZEALANICA.

are composed of long, narrow, recurving petals, of a handsome creamy white color. It makes a beautiful center plant for hanging baskets or vases. It always looks bright and healthy.

Strong plants, each, 30 cents,

VICK'S Mammoth Asparagus.

This is undoubtedly the largest and best of Asparagus grown. We have catalogued this variety for the past two years, having obtained our original

stock seed from Mr. A. Donald of Elmira, N. Y. We now note, with surprise, that this seed is being offered for the first time this season as a Novelty, under the DRING OF DONALD'S ELMIRA ASPARAGUS, by a Philadelphia Seedsman.

In color it is a bright green, very tender, and when cooked there is comparatively little waste. It is the most desirable for market garden use.

Price, per packet, 10 cents; ounce, 25 cents: Two-year roots, 200 for \$1.00.

HUACINTH.

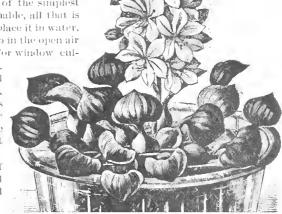
The Water Hyacinth is a plant of great beauty. It floats on the water by means of curious inflated leaves, from which great masses of feathery blue roots grow downward. The plant takes the form of a large rosette,

and throws beautiful spike of Hyacinth-like flowers that are as beautiful as an Orchid. Faeli flower is about two inches in diameter and of a beautiful. sparkling rosy-lihe color. The plant is of the simplest

culture imaginable, all that is required is to place it in water, in a pail or tub in the open air in summer. For window culture in winter, a glass vessel

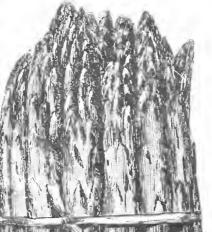
is preferable, as it shows the feathery growth of the roots to great advantage.

Every lover of the new and novel should grow 1t.



Strong blooming plants, each, 25 cents; five for one dollar.

"My peerless darlings of sun and rain, When did I seek your velvet lips in vain?" Mrs. Helen Rich.



Wonder Bush Lima Bean.

The plant grows from 18 to 30 inches high and the variety might well be termed a combination bean as the pods when quite young may be used as a Snap Bean and later it can be slielled and used as a Lima Bean. It is immensely productive and the plant is an interesting sight to look upon with its broad flat pods, containing each three to four beautifully colored variegated beans similar in shape to the well-known Lima. Our grower "writes, that 20 bushels were grown on a little over a quarter of an acre. Planted in May (in Georgia), a crop of matured beaus was harvested July 1st. I planted seed that I gathered, the latter part of July; and harvested a fine crop of ripe beans before frost, thus securing the two crops in one season. Many pods had three to four beans when Henderson Bush Lima lad but two or three.

Read the following:

Dear Sir:-Yours requesting my "full opinion of the Jackson Wonder Bean" received. In reply I would say that it is entirely different from any bean I have seen. It is more prolific, yielding enormous crops. It is less dependent on rain, growing about as well in dry as wet weather. It meets a felt want, in that it requires no sticking. It is a bush beam. It is superior as a table beam to any I have ever tasted, whether taken green or dry. It is a very early bean, raising two crops in a season. It is not waxy, and hence cooks easily, and quickly. It seems to fill every requirement for the best of garden beans. As a forage plant, it will yield an enormous crop of ensilage or dry forage. It is an invaluable acquisition,

Yours truly, JAS. B. HUNNICUTT, Professor of Agriculture, University of Georgia.

Price, per packet, 15 cents, or one packet each of the four bush Lima's, Burpee's, Dreer's, Honderson's and the Wonder Beans for 40 ecuts,





PLANTS DWARF.

MATURE RAPIDLY.

RELIABLE.

SOLID HEADS.
SNOWY WHITE.
OUTWEIGH OTHERS.

This genie of Curliflowers, surrodirect by us a few years since as siperfor to any other variety for reliaof heads, has, by immingerable trials in all parts of the country, estale lished the claims then made for it, and it stands to-day as the leading variety for market and for private use. The plants are very dwarf, and while the outer leaves are erect the inner ones lay over the heads in such a manner that they are fully shaded from the sun, preserving them a beantiful snowy white. The plants can be set closely, and then grow and mature rapidly under favorable conditions.

Price, per ounce, \$6.50; half ounce \$3.00; quarter ounce, \$2.00; packet 35 cents.

One gardener says of it: "I have never had finer Canliflowers." Another says; "I find the heads of your 'Ideal' Cauliflower are rage larger than those of any other variety I have raised, and also such heads of 'Ideal' as are apparently the same size as other sorts invariably ontweigh them." Another: "The seed which I bought of you did well from the time it was sown in the hot-bed. Every plant I set made a splendid head. Taking all things into consideration, I think the 'Ideal' will outrival any other variety. I weighed a few heads, trimmed ready for market, which tipped the scales at seven pounds." Another says; "I have raised, during the past two seasons, heads of 'Ideal' Cauliflower weighing eleven pounds, and my whole crop averaged eight pounds per head. When I came into market with them, all other sorts failed to sell."

DWARF LIMA BEANS.

THREE OF A KIND.

Burpee's Bush Lima Bean.

This we consider to be the best of all the Dwarf Bush Lima Beans Intely introduced. The pod and bean is in all respects identical with the large Pole Lima. It also has all the good qualities of that Bean. It is profine and early. Price, per packet, Levents.

Dreer's Improved Bush Lima Bean.

This variety is very desirable owing to its dwarf habit and earliness. In pod and bean it resembles the weit-known Dreer's Improved Pole Lima, having all the good qualities of that valued sort. Price, per packet, 15 cents.

Henderson's Bush Lima Bean.

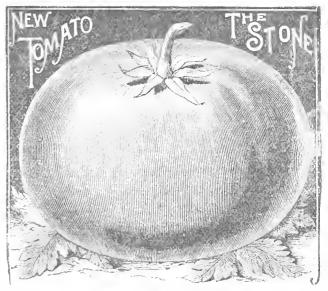
This is the most profific of the Bush Lima Varieties. It is, however, a much smaller bean, resembling the Seiva or Carolina Lima Bean. *Price, per packet, 10 cents.*

One packet, each, of the three Limus for 30 cents.

NEW STONE TOMATO

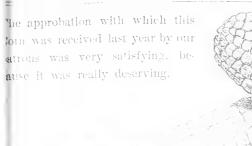
Ripens for main crop; is very large, and of bright searlet color; very smooth, with occasionally a specimen slightly octagon shaped; ripening even to the stem without a crack; exceedingly solid and firm-fleshed as its name indicates); is an excellent shipper; quality the very best; a good keeper; without hard core; not subject to rot; its appearance on market remarkably attractive; a heavy variety; its vines and foliage

rank and robust, heavily loaded with very uniform specimens of fruit. For five years this Tomato has been subjected to the most careful test-



ing, and we have found it to possess several superior qualities and distinct characteristics. We behave it to be the coming Tomato for market gardeners and truckers.

Per packet, 10 cents; oz., 40 cents; 1/4 Un., \$1.30; Un., \$5.90, post paid.



When cooked it is a beautiful creamy color, making it very attractive for the dining table.

RICH COLOR. HIGH FLAVOR. VERY TENDER.

s high flavor and earliness lace it as one of the best for amily garden. Ears medium ze, 12 rowed and well filled.



an onne of gathering for eating pur poses, it will class with Crosby's Early. Every one should try it!

Price, 15 ets. packt.; pint, 35 ets. quart, 60 cents.

AMERICAN WONDER POTATO.

Nearest to blight proof, strongest growing, most productive, and best late Potato for general field culture ever introduced.

THIS superior variety, which we offered for the first time last season, is proving by tests in all parts of the country to be all that we have claimed for it. It is without hesitation that we offer the "American Wonder" as the best all round Potato in cultivation at the present time. In habit of growth the vines are strong and branching, somewhat resembling that of the Peachblow; foliage of a rich dark green color, that is Iset with a mass of beautiful white bloom; the floriferous habit of this variety being one of its marked and distinct features. The tubers are hite, large and uniform in size; clongated, slightly compressed; with few eyes, that are nearly flush with the surface. In quality nothing can suras this superb variety; either baked or boiled, it is dry and floury, and has the rich, sweet flavor that is so marked in the Snowflake. In addition its many other excellent qualities, we can strongly recommend it as being the nearest approach to a blight and rot proof Potato of any eyer Fered. Per lb., by mail, postage paid, 40 cts.; 4 lbs., \$1.00. By Express or freight, not paid, peck, 75 cts.; bushel, \$2.50; barrel (2 bush.), \$5.50.



"ONF-THIRD LARGER YIELD."

"The American Wonder Potatoes T bought of you hast spring, planted in the same field with White Star, Morning Star and Dandy, yielded a third more than the other varieties." WM. K. GIFFORD, Buskirk's Bridge, N. Y.

"I raised 9 bushels American Wonder Potato, from I peck, on piece of ground 30 x 80 feet. Poor potato year. Yield better than 'Burbank.' Cook equal to best Snowflake." JAMES MONLEDGE, Waynesburg, O.

"The American Wonder yielded me, with poor season and soggy, wet soft, at rate of 322 bushels per aere, without manure of any kind. If I use fertilizer next year I shall expect 600 bushels fo aere. The tops were enormous length." W. PARTRIDGE, Woodburn, Ill.

"I mised 12 bushels American Wouder Potato from one peck of seed on piece of ground 21 x 90 feet. Poor year, too much spring rain."

JAMES M. CONNER

Connersville, Ind.

Vick's Pea, King of the Dwarfs.

McLean's Little Gem, coming into market in the space intervening tween the early and the late varieties. The vines are sturdy and remarkal vigorous, growing about two inches taller than the Little Gem, and bear a profusion of pods, which are packed closely with large Peas, as shown the engraving. On careful comparison, both as to number of pods and P in the pods, with all of the principal dwarf varieties, including the Americ Wonder, we find that the King of the Dwarf outyielded them all by 20 cent., all planted at the same time, on the same soil, with equal cultivation

The King of the Dwarfs is a seedling, obtained by crossing Americ Wonder with McLean's Little Gem, and selected as the most promising fr forty different seedlings. In flavor it is unsurpassed.

Our grower, W.~H.~Grenell,~says: This Pea is one of the best I ever grew, in quand for general use as well as prolificacy it excels.

Price, per pint, 75 cents; quart, \$1.25; packet, 15 cents.

CHARMER

IT SWEEPS ALL BEFORE IT

BECAUSE

Very Productive; Highest Quality; Fine Flavor; Staying Qualities; Great Merit; Deep Green Color; Large Peas;

Closely Packed; Nine in a Pod.

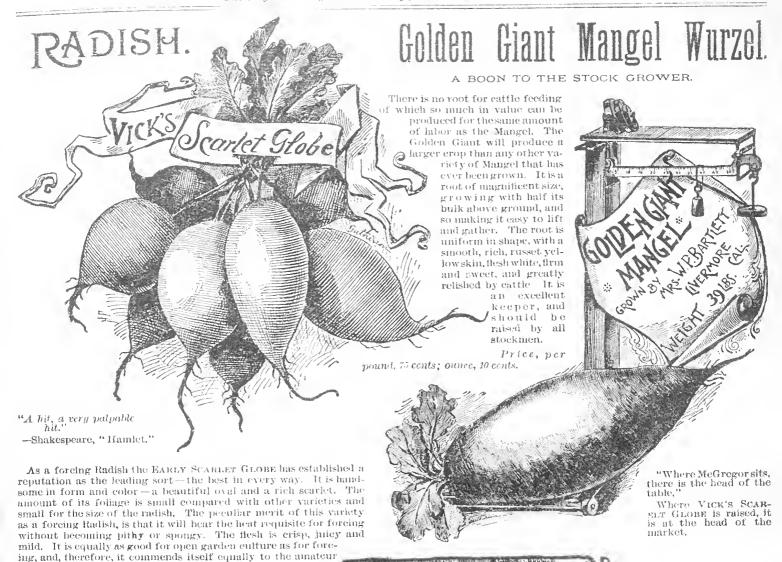
H18 new variety of Table Pea, introduced by us last season, jumped at a bound into instantaneous favor all over the United States.

The plants stand from three and a half feet to four feet high, and bear large, long pods, mostly in pairs. The weight of the Pea compared to the pod being much greater than usual, thereby producing more shelled Peas to the bushel than any other variety.

The pods are scimitar shaped and very handsome in appearance. In season it follows Little Gem and comes before Champion of England. Both for the market and family garden this Pea will be found of the highest merit.

You can charm everybody with this variety, and whether for private use, or marketing, a liberal quantity should be planted.

Price, per packet, 15 cents: per pint, 75 cents; per quart, \$1.25.



Price, per pound, \$1,00; ounce, 10 cents; packet, 5 cents.

and market gardener.

Vick's All Season's Radish.

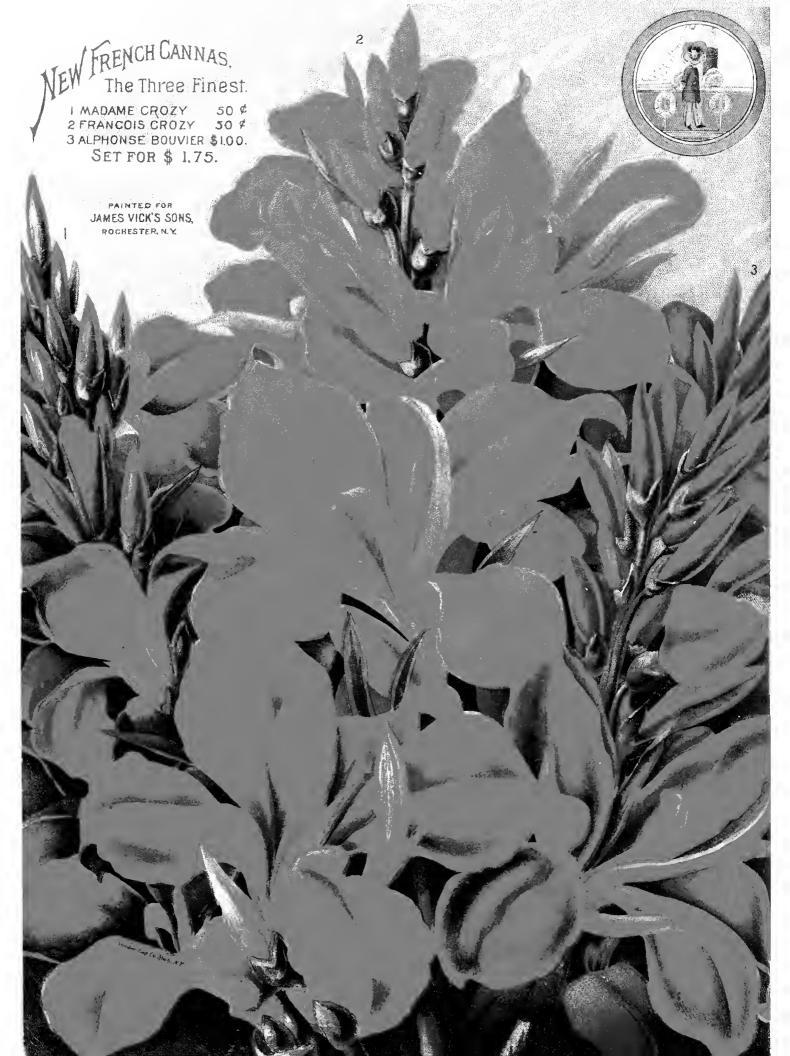
Develops in from Six to Eight Weeks.

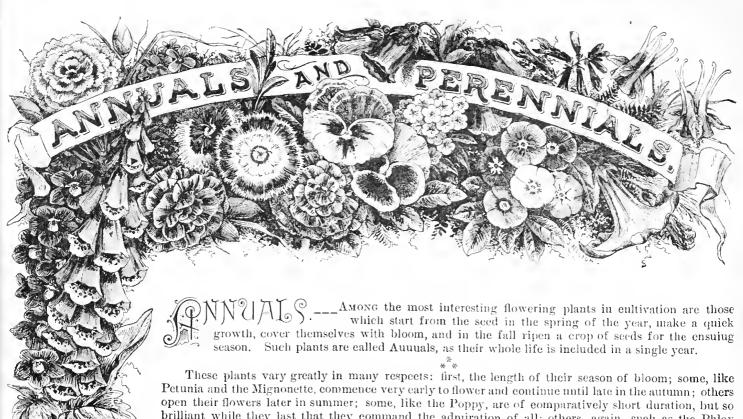
A new, 1892, variety of the China Round Win-Ter Radish, which, by reason of its merits, cannot fail to come rapidly into general use. It may be sown at intervals from spring until autumn, and the roots obtained from late sowings can be kept in storage for winter consumption.

It requires only six to eight weeks for its development, and, like the old China Winter sort, is much hardier than other varieties. The root is round, of a brilliant scarlet color. Flesh pure white, and of a most agreeable and mild flavor. Be sure to order a packet of this valuable novelty.

Price. per packet, 10 cents.







brilliant while they last that they command the admiration of all; others, again, such as the Phlox Drummondii, are prolific of bloom, brilliant and varied in color, and continue to produce their flowers for several months.

Some of the Annuals grow to a height of two or three feet, and others only a few inches; some, too, are climbers from two or three feet, like the Sweet Peas, or to twelve or fifteen feet, like the Climbing Morning Glory, or, yet, the Moon Flower, which will measure its length upwards for a score or two of feet. Even in the same genus of plants there is great variety; the Convolvulus shows us a species which blooms only a few inches in height, thus forming a great contrast with its elimbiug relative, and the Nasturtiums supply us with both low-growing and elimbing kinds.

Besides the variations noted there are many others as great, and it can readily be inferred that these plants, which can be so easily and cheaply propagated from seed, offer the greatest opportunities for beautifying the garden and providing an abundant supply of flowers for eutting for bouquets and for room decorations.

Shakespeare must have loved flowers. In the Merry Wives of Windsor he says: "In emerald tufts, flowers purple, blue and white; Like sapphire, pearl and rich embroidery."

Some kinds of plants which are longer lived than one year, will, like Annuals, make a quick growth from seed, and bloom the same season; good examples of such are the Verbena and the Pansy; the results, in gardening purposes, are, therefore, the same with these plants as with the Annuals, although they are really perennial plants. Many of the finest Annuals delight in full sunshine, and others need a little shade, and snitable kinds can, therefore, be selected for almost every spot and every purpose.

Some of the Annuals thrive well and bloom abundantly, and are general favorites in all parts of the country. Those which are promineut in this list are the Batchelor's Button, or Centaurea, Cyanus, Petunia, Phlox Drummondii, Portulaca, African Marigold, Zinnia, and Pansy. The Pansy at the South develops in great perfection through the winter season, while at the North it does its best in spring and autumn.

The Antirrhinum, the Datura, Nasturtium, Poppy, Convolvulus, Four o'clock, Delphinium and Mignonette and the Evening Glory, or Ipomea Bona Nox, all do well in the Southern States, as they do elsewhere, from Canada to the Gulf of Mexico. The Annuals, with their heauty, brilliancy and wonderful variety, must always retain their popularity in the garden.

ERENNIALS are plants which live for several years, Biennials live for two years. Among these are some of our hest and well known flowers. As a rule these plants do not bloom until the second year; but there are many exceptions among them, some blooming as freely the first year as Annuals, when the seeds are sown early, and all these are noted in the description. The seeds of those kinds which do not bloom until the second year may be sown early in spring or any time in summer.

Most Perennial plants bloom only for a short time, and therefore are not suited for the lawn, where a continuous show of flowers or pretty foliage is absolutely necessary. But there is a great variety of hardy Perennials, and some of them bloom in every month from early spring until late autumn, and this makes the border of Perennials oue of the most interesting parts of the garden, and more attention is being given by good cultivators to the hardy plants.

AQUILEGIA

The Aquilegla is the old and well-known Columbine, which some are advocating as the National Flower. It grows wild in most every temperate country in the world, and is called by children the Wild Honeysnekle. It is of a number of different colors, and of singular form. Like a good many of our perennials, this flowers early in the spring. Seeds may be sown in the open ground. Plants can be increased by a division of the roots.—Perennial,

Carnation, or Striped, white, with	
red stripes; double	10
leptoceras chrysantha, the beau-	
tiful, large-flowered, Canary yellow va-	
riety, obtained first from Arizona, Ex-	
eellent	5
Skinneri, very beautiful; colors scarlet	
and yellow	10
cœrulea, flowers very large; sky-blue	
and white	10
glandulosa vera,	
very fine; large dark	
purple	25
Mixed varieties,	5
WATER TO BE TO SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	

ADLUMIA.



Adlumia Cirrhosa, or Allegheny Vine, is a pretty biennial elimber, with pale green foliage. Sow seed in the spring, in a damp, cool place. Transplant in the antinua, if possible. The flowers are pink and white.

Adlumia cirrhosa, or Allegheny Vine, and sometimes called Wood Fringe and Mountain Fringe. 10

ANTIRRHINUM.



The Snapdragon (Antirrhinum) is a well-known and favorite plant, which is easily raised from seed sown early in spring in a warm, dry soil. Or the seeds can be sown the latter part of winter in the house, and the plants be grown on until the weather is favorable in spring for planting them out. The plants are ereet and branching in habit, eight to twelve inches in height. If the plants do not weaken themselves by blooming too much the first year, they will stand over winter and bloom another year and even longer. In a rich, moist soil the plants grow too late in the season and do not become hardened enough to stand the cold weather well. Give them a poor, dry spot and they will bloom best and last longest. A few leaves seattered over the plants will give a little protection in winter in cold climates. If the flowers are cut before seed forms, the plant will have much greater power of endurance for another season. A method is employed to produce good flowering branches for the second season, which consists in shortening a number of the branches about midsummer; these are ent away about onehalf or two-thirds, and then new shoots start out which are ready to bloom the following spring. The flowers are beautiful in form and of a great variety of

brilliant colors and markings.

AQUILEGIA.

ADONIS

Flos Adonis, sometimes called Pheasant's Eye has fine, pretty foliage, and brilliant searlet flowers. It will do well in partial shade and may bused to advantage in any corner of the garden Twelve to eighteen inches in height.—Annual.

Adonls æstivalis, scarlet.....





ALYSSUM BENTHAMI COMPACTUM.

Every garden should have Sweet Alyssum and plenty of it. This little low growing plant has some excellent qualities; its small, white flowers, borne in great profusion, are delicately fragrant and valuable for cutting; it is a good basket and pot plant. In the border the seeds are sown thickly so as to make a mass of plants, or they are placed in lines for edging; it is a very valuable plant for carpet bedding, giving a pure white sheet as a contrast to colored flowers adjoining. It is desirable to sow the seeds early in spring or even in the previous autumn. The Sweet Alyssum plant has a stem about

a foot in length, but it is weak and partly lies down so that the surface of a bed of it is only eight or nine inches above the surface of the soil. It will be readily understood that with this habit the plant will do duty well in a hanging basket. In fact it will make a handsome hanging basket for winter, if kept in a place sufficiently cool. To prepare a basket of it for winter blooming, fill it with good, rich soil, and sow the seeds in it about the last of August. If the plants come up thickly thin them out; a dozen plants at most are enough for a good sized basket.

Alyssum, Sweet, hardy annual; flowers small and sweet, in clusters; one foot.

Benthami compactum, a new dwarf, compact annual variety, not over six inches in height, bearing its pure white fragrant flowers in greatest profusion during the entire summer.

Wierzbecki, hardy perennial, yellow; one foot.

saxatile compactum, perennial, ten inches high, compact habit, golden yellow flowers. The popular name is Gold Dust.

5

AMARANTUS.



AMARANTUS SUNRISE.

Our warm summers suit admirably the varieties of Amarantus cultivated for ornament. These are plants which are striking on account of their foliage or peculiar mode of bloom. The seeds start readily in a warm, open and dry soil. In rich ground the plants and leaves are of larger size, but the coloring is apt to be less bright. The seed can be sown in the house, in a hot-bed, a cold frame, or in a seed bed in the garden, and the plants transplanted into place, or the seeds can be sown where the plants are to stand if the soil is fine, and the spots are protected until the plants appear. The plants should be given sufficient space to develop well on all sides. Annual.

Amarantus, atropurpureus, a fine variety, with blood-	
red foliage and drooping racemes of flowers	5
bicolor, ruber, leaves fiery red, maroon.	5
caudatus (Love Lies Bleeding), loug drooping	
"chains" of flowers; pretty for decorating; 4 to 5 feet in height	5
cruentus (Prince's Feather), flowers somewhat simi-	
lar to A. caudatus, but in creet masses	5
Henderi, an improvement on A. salicifolius; foliage beauti-	
fully variegated; 2 feet; should be in every collection	10
melancholicus ruber, eompact habit, dark red; 18 in	5
salicifolius, beautiful in habit and color; pyramidal; 3 ft	5
Sunrise, the most brilliant of the family. The top of plant brilliant crimson, the lower leaves dark maroon	25
tricolor (Joseph's Coat), red, yellow and green foliage;	5
Mixed varieties	5
66 37 77 47 . 712 . 1 . 42 . 7 7	

"Now blooms the lily by the bank, The primrose by the brae, The hawthorne's budding in the glen, And milk-white is the slae."—Burns,

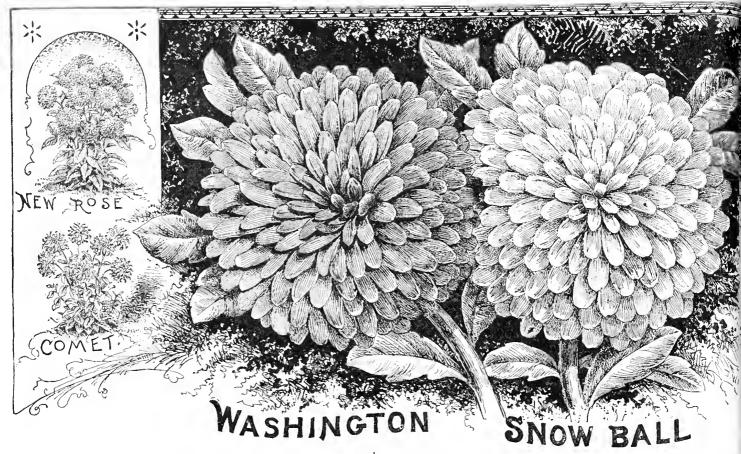
ABRONIA

The Abronias are trailing plants, with prostrate branches several feet in length, and bearing clusters of sweet-seented flowers. The plants and flowers are very much like the Verbena. They are natives of California, where we



have seen them growing abundantly. Our eustomers report the greatest success the second summer, from seed dropped from plants of the previous year. Perennials blooming the first season.

Abronla umbeliata, rosy lilae, white eye	- 5
arenaria, waxy yellow	10



ASTERS.

The Chrysanthenum is considered the queen of the fall flowers, and there are many cultivators of taste who think the Aster should rank as high among the flowers of late summer. There is a great similarity in the flowers, but the Asters are more easily raised and bloom in greater profusion, if possible. Probably no plant among all the Annuals has had more care bestowed on it by professional florists than the Aster, and it has responded by breaking into mamerous classes and varieties, all of which are handsome and worthy of cultivation. A plant to produce fine flowers needs to be strong and vigorous, and requires to be grown without check from the start. Too often Asters are seen in gardens closely together, thus preventing a full development.

Seeds should be sown early in the spring under glass or in a seed bed in the open border. We prefer to sow in a cold frame, and after the plants are an inch high to transplant them in the frame, and afterwards in the open ground where they are to remain. In this way, strong, healthy plants with plenty of roots can be obtained, and if set in rich soil in the garden, will make a most satisfactory growth. A well grown plant will give fine flowers, and a stunfed one only inferior blooms.

The large growing varieties of Asters, such as the Parony-flowered, the Victoria, New Rose and Washington, need to be set as much as a foot apart in good soil, and will quite fill the space. The soil about the plants should be stirred frequently during the summer and a vigorous growth encouraged. As the plants when in bloom are heavy at the top, and therefore liable to be injured by rains or strong winds, they should have some support, as may be given by tying the branches to a small stake set in the ground. The dwarf varieties make beautiful border plants.

Aster, Washington, the largest Aster we have ever known, and we have exhibited them five inches in diameter and perfect, plants tall, mixed colors.

Truffaut's Pæony-flowered Perfection, large, beantiful flowers, petals long; a little rellexed; 2 feet in height; mixed colors.

Truffaut's Pæony-flowered Perfection, same as above, in twelve to twenty distinct colors, among which are white, rose, carmine, erimson, brilliant crimson, dark crimson, blood red, victoria red, light blue, violet, dark searlet and white, rose and white, earmine and white, erimson and white, red and white, blue and

white, and other combinations; each color 10

central petals pure white, sometimes small and quilled, surrounded with large, flat petals of a bright color; 18 inches; mixed colors 10 Cocardeau, or New Crown, curmine, violet, blue, deep searlet, violet brown, etc., each with white center; each variety... Imbrique Pompon, very perfect; almost a globe and beautifully imbricated; mixed colors Diamond, is a comparatively new Aster of the Imbrique class. Plant 18 inches in height, very robust, blooms freely, flowers perlect and compact; mixed colors..... Hedge-Hog, or Needle, petals long, quilled, and sharply pointed; two feet; mixed colors..... New Victoria, flowers large; habit pyramidal; 2 feet high; one of the finest; mixed colors..... New Victoria, White, one of the finest white varieties; flowers large, perfect in form, and of the purest white...... New Rose, 2 feet in height; robust; large flowers, petals finely imbricated and of great substance; one of the very best, mixed colors_ New Rose, twelve separate colors - white, crimson, violet, etc., New Pæony-flowered Globe, two weeks earlier than Trnffant's Paeony-flowered, flowers very large; plant branching and strong; does not require support..... Dwarf Victoria, the finest class of Halk Dwart Asters; for size, range of color, and profusion of bloom, it is unsurpassed; mixed colors . Half Dwarf multiflora mauve, one of the best, about 15 inches in height, of fine form; flowers perfect and abundant, delicate white and manye..... 15 New Chrysanthemum-flowered Dwarf, a desirable class, I foot in height; late, and valuable on this account, as well as for its great beauty; mixed colors Chrysanthemum-flowered Dwarf, White, a superb variety; every flower usually perfect ... Newest Dwarf Bouquet, each plant looks like a bouquet of flowers; fine for edging or small beds; about twelve different colors mixed

Aster, Cocardeau, or New Crown, two-colored flowers, the

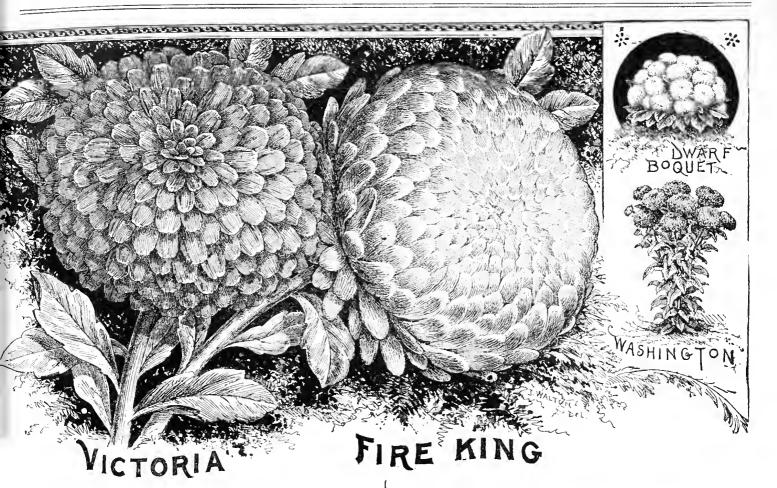
"Those few pale Autumn flowers,

How heautiful they are!

Than all that went before,

Than all the Summer store.

How lovelier far!"—Caroline Southey.



CHOICE NEW ASTERS

We call attention to the following new varieties of Asters, of recent introduction, as being worthy of special commendation:

Aster, Comet, differs from others in its long, wavy, twisted petals, which are formed into a head 3½ to 4½ inches across, resembling the Japanese Chrysanthemums, petals pink, margined

Snowball, a splendid variety of dwarf symmetrical habit, not more than 10 or 12 inches in height. The pure white flowers are regularly imbricated, globular in form, of extraordinary size; and are produced in the greatest profusion; excellent for bedding... 25

Triumph, a very dwarf profuse-flowering variety, with very large, double, brilliant, erimson-scarlet flowers. One of the most perfect of dwarf Asters, both in habit of plant and form and

Dwarf Victoria Dark Scarlet, a new color in this beauti-

Fire King. Brilliant searlet; habit very compact, about twelve inches in height, with large beautifully incurved flowers com-

Eclipse, an exceedingly fine pure white Aster; plant somewhat taller than Snowball and very uniform; flowers large and of fine

Mignon, similar in habit to Victoria, but the flowers are smaller, beautifully imbricated; pure white, and a very perfect form;

JAS. VICK'S SONS:-

Boonsboro, Ind.

I have just received seeds, bulbs and live plants from your firm, and am much pleased with condition of them, and your gratuitous addition to the list sent.

Respectfully,

MRS. E. T. S.

AGERATUM

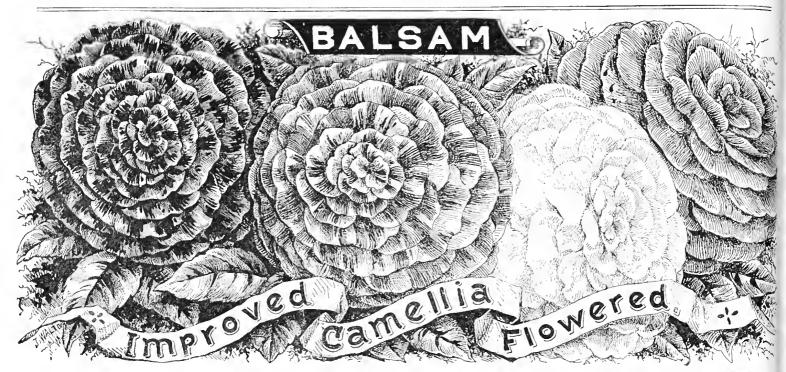
The Ageratum is interesting on account of its neat, erect, bushy habit, and its pretty brush-like flowers which are produced constantly all through the summer. It is well to sow the seed under glass early in the season, but they may also be sown in a mellow seed bed in the open. The plants can also be propagated by enttings. The flowers are useful in bouquet work and the plants serve well in earpet bedding. Seeds sown in August will produce plants for winter blooming. Perrennial, blooming the first season from seed.

Ageratum conspicuum, white, 18 inches..... Mexicanum, blue; 2 feet..... Mexicanum albi-



florum, white flowered; 2 feet..... Mexicanum albiflorum nanum, 6 inches..... Lasseauxil, compact plant; flowers pink; 18 inches... cœlestinum (Phalacræa) Tom Thumb, light blue; 8 inches high, and of compact habit..... Swanley Blue, a fine, large flowering, dwarf variety, of re-Mixed Varieties..... Flowers are Love's truest language; they betray,

Like the divining rods of Magi old, Where precious wealth lies buried, not of gold, But love — strong love that never can decay! -Park Benjamin.



BALSAM

LADY SLIPPER.

This beautiful and popular flower needs no introduction, but a few words may cause some who plant it to treat it with more care than is often given it. No plant will give more in return for the care bestowed on it, and yet none is more frequently neglected. The seeds are often sowed in the garden and the plants left to take care of themselves, save keeping the weeds from them. This is all wrong, for the young plants need just a little of the right kind of mursing.

The Garden Balsam is a native of India and likes a bright sum and warm weather, and our seasons usually are well suited to it. The seeds should be sown in the house, the hot-bed, cold-frame, or in a warm, sheltered spot in light soil in the garden. It sown in the open ground it should not be done until the ground has become warm in the latter part of spring. The seeds quickly germinate and the young plants make a rapid growth. When they are an inch or two high transplant the seedlings four or five inches apart so that they may have light and air on all sides, and by the time they are about four inches high transplant them to their permaneut place.

By this time they will have made numerous roots and they can be moved with a small ball of soil attached, especially if watered a short time previously. In this way they will never feel the move and will go on growing without interruption. Set the plants at least a foot apart, in soil that has been well enriched, and they will branch out in every direction, making handsome little pyramids which will soon be covered with flowers. To raise plants in this manner is the perfection of Balsam growing, and plants a foot in diameter at the base should be the aim of every one. The flowers are of great beauty and variety, - Annual,

Balsam, improved Camellia-flowered, flowers very	
large, extra double; superb strain	25
Camellia-flowered, 12 colors, 12 separate packages; each color	10
Camellia-flowered, Extra Choice White, double	15
Camellia-flowered, Deep Blood Red, very double; ex-	
tra fine	15
Camellia-flowered Spotted, very double; spotted with	
white; mixed colors	10
Cameilla-flowered Spotted, twelve colors, each in separ-	
ate package; each color	10
Dwarf Camellla-flowered, Spotted, eight or nine inches	
in height; splendid for a border or outside row of a bed	10
One package of each of the above seven	80
Camellia-flowered, very double, perfect form; mixed colors	10
Double Dwarf, very double; five inches	10
Half Dwarf, eighteen inches in height	10
Carnation, double; striped like the Carnation	10
Solferino, white, striped and spotted with red	10
Common Double, occasionally only semi-double	5
One package of each of the above five	40

BRACHYCOME

The Brachycome or Swan River Daisy is a charming flower, which is offered in white and blue varieties, the blue being the original color, or that of the wild plants, while the white has been produced under cultivation. The plants grow about eight in height and bloom freely. The inches seeds can be sown in the house early in spring, and the plants afterwards set out in the ground where they are to bloom, or the seeds can be sown in the ground after the fine weather in spring has come. This flower is an original simple beauty and needs

Brachycome iberi-difolia (Swan Riv-er Daisy), blue and white, separate or mixed. 5



SWAN RIVER DAISY.

CAMPANULA

The well known, popular, large, bell-shaped flower, known everyathere as Canterbury Bell, is a biennial Campanula.

There are double varieties of every color, but though curious, are not really so beautiful as the

old single bell. They lose that light transparent grace that is so attractive in a flower. We never yet saw a bell-shaped flower improved by doubling.

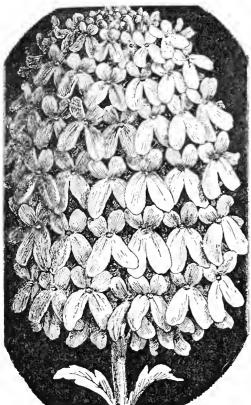
Campanula Carpatica, perennial, blue and white mixed 5 Medium (Canterbury Beil), flowers large, plant two feet in height; single varieties mixed.... Double varie-

tles mixed.. calycanthe-

ma, beautiful biennial variety. See engraving grandiflora, perennial, large, deep blue ... pyramidalis, biennial fine large flower, white and blue.....

CAMPANULA CALYCANTHEMA.

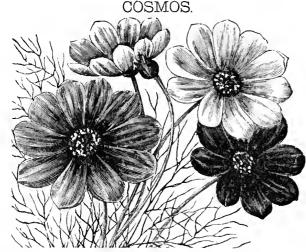
CANDYTUFT



THE EMPRESS CANDYTUFT.

The Candy tufts have The Candytufts have long been among the most highly prized of garden annuals, and cultivation has done much in producing improved varieties. The seeds of the purple Candytuft were introduced into English gardens about ish gardens about three hundred years ago, having been brought from Candia, whence the name Canwhence the name candytuft. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom; sow in rows six or eight inches apart and thin out the plants so that those remaining will have plenty of room. The soil should be rich, and when blooming time comes keep the plants well watered, especially if it should be a dry time. The plants are very branching and it is sometimes neces-sary to prune away some of the shoots in some of the shoots in order to increase the size of the flowers. The Rocket Candy-tuft grows in com-pact spikes; the new dwarf varieties are only about 6 inches in heightund theirmenson. heightand theirseason of bloom is very long.

Candytuft, Purple; White; Rocket; Sweet-Scented; Flesh Color; Extra Dark Crimson, each
New Carmine, true to eolor
Separate colors of above 7 varieties 8 Mixed colors of above 7 varieties
New Dwarf Hybrid, about six inches in height; blooms the
entire season; fine for edgings; mixed colors 10
Candytuft Empress, new, pure white, gigantic form, finest va-
riety in cultivation. Strong, free grower, eighteen inches in height, pro-
ducing several immense trusses of flowers, tive to eight inches in length
and two and a half to three inches in diameter, individual flowers of large
size. To secure the best results, sow under glass so that good strong
plants may be obtained for setting in the open ground when soil is warm
Set plants four inches apart. Per packet, 10 cents; five for 40 cents.



This is a strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in April or May and transplanted to open ground will produce plants three to five feet ligh by September which, thereafter and until November, will yield hundreds of blossoms three inches across resembling single Dahlas in form. Planted in pots, and brought inside to flower like Chrysanthemums, they are grand. They are of various shades from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. One of the best fall flowers. Annual.

Cosmos, Pure White Pearl.... Fine Mixed





FROM EXTRA CHOICE GERMAN SEED.

The most beautiful of all the Diauthus family. Flowers large, handsome, and delightfully fragrant; a rival of the Rose. Seed may be sown under glass in the spring, or in the open ground, and the second summer the plants will flower. Some of the plants will have single flowers, and these can be pulled up. Young plants are perfectly hardy; but when old, they are injured in the winter. A succession of young plants should be procured, either from seeds or from layers, every year. Layering should be done in mid-summer; simply cut a slit in a young shoot to obstruct the flow of sap, and then remove the earth a few inches in depth, and press down the branch, so that the slit will open, and cover it with soil. Roots will push out where the cut was made, and thus a new plant will be formed. Perennial.

Carnation, German seed from named flowers	25
Extra Italian Seed, saved from prize flowers only	
Choicest, with white ground	50
Choicest, with yellow ground	50
Pink, Pheasant's Eye, or June Pink, sometimes called	
Grass Plak; fine for massing. Closely related to the Carnation,	
but smaller flowers and more hardy. Flowers very beautiful	
and fragrant. Perennial. Plants are hardy until they become	
old. It is best to keep a few young plants coming on	Ö

CENTAUREA.

The Centaureas form a large family, and are perfectly hardy. Centaurea Americana is the largest and best, and is known as the Basket Flower, because the involucre has the appearance of a basket filled and overflowing with the hair-like petals. Known in Germany as the Corn Flower; was Emperor William's favorite flower. Annuals.

Centaurea Cyanus, known as Bachelor's Button, Corn Bottle, and Ragged Sailor, various colors mixed..... Sweet Sultan, mixed varieties All above kinds mixed.....



CHRYSANTHEMUM.

CHRYSANTHEMUM.

The glorious and showy Autumn-blooming Chrysanthemums which are now so much admired and cultivated, have their relatives among summer annuals which, though somewhat different, are equally beautiful and are easily raised from seed. The plants can be raised by sowing the seed early in the house or frame and planting them out when the weather is favorable, or the seeds can be sown in an open seed-bed, or even where the plants are to stand, provided the plants are thinned out so as to stand not closer to each other than eight to twelve inches. A little shade, or shade in the after part of the day, is desirable for them — a border on the east or northeast side of a house would be snifable. Pinch them back nntil July 15th to make them grow shrubby and full.

	Chrysanthemum Burrldgeanum, erimson, with white	
	center; very showy, one foot	5
	venustum, white, erimson center, one foot	5
3/1.	Lord Beaconsfield, rich erimson-maroon, striped and	
1	edged with gold. Gold circle surrounding rich brown eye	10
The Sultan, main color	same as Lord Beaconsfield, but having a deep golden-hued rim	
around the eye		10
W. E. Gladstone, nev	and entirely different from the other varieties, in color a bril-	
liant erimson		10
Eclipse, showy and very	y striking, colors a combination of yellow, purplish-searlet and	
dark brown		10
Double White	***************************************	5
Double Uellow		5
	ckage of each of the above eight varieties, 50 cents.	
		10
Mixed annual variet	es	.,

CANNA

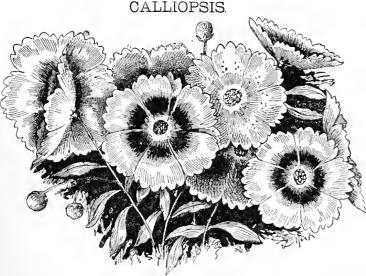
The Cannas are the coming plants for ornamental gardens. Combined with Ricinus, Caladium, etc., they are very effective. The demand for them is rapidly increasing. They are erect, stately plants from three to five feet in height, with handsome foliage, and are greatly admired. The leaves are green in some varieties and in some purplish and reddish. The flowers are bright colored, red or yellow and variously marked, and peculiar and handsome in form.

The plants once obtained can be kept from year to year, dividing them as they increase in size; on the approach of frosts they must be taken up, like Dahlia roots, and after lying ont a few days

to dry off, they can be stored away until spring in a cellar or some place free from frost.

The seed shells are round, the size of a good sized bullet, hence the name of Indian Shot. They are very hard and some soak them in warm water for several hours before planting; but the best way we have found to be is to take a coarse file and file a hole through the shell, thus allow-

ing the passage of water to the seed, which in swelling breaks through the hard covering. The second year will give good



The genus Calliopsis embraces a very useful and brilliant class of hardy annuals. The plants are usually two or three feet in height, of slender habit and rapid growth. The flowers are of every shade of yellow, orange and rich reddish brown, and make brilliant groups or low screens. Seeds grow very readily, and may be sown where plants are to flower. They usually grow 3 feet in height and should be given plenty of room to spread.

Calllopsis lanceolata, one of the best golden yellow for cutting 10 Mixed colors....

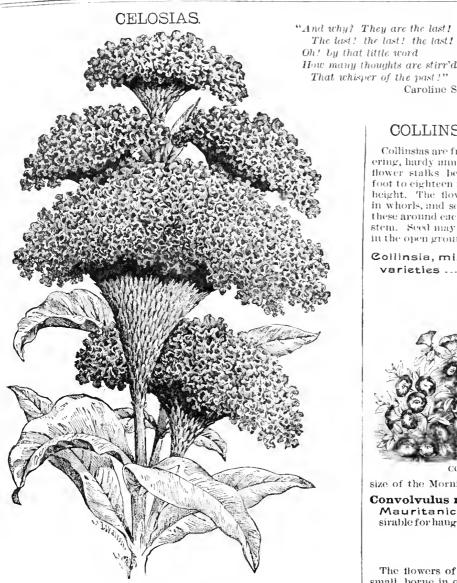
seed plants. The French hybrid Cannas, though no better as foliage plants, have larger flowers; these varieties are increased only by division. The following named varieties produce fine seedling plants.

Canna Indica (Indian Shot), rub. ra, red 10 Warscewiczl, red, foliage striped ... 10 Selowli, searlet; profuse blooming..... 10 President Falvre, fine dwarf, darkleaved variety 10 compacta elegantissima, large; reddish yellow; free flow-



ering..... 10 Dark-leaved varieties mixed...... 10 Mixed varieties 10

See other pages for bulbs and plants of Cannas.



VICK'S JAPAN COCKSCOMB.

Celosias are interesting and brilliant annuals, and when well grown from seed of good quality never fail to please the grower and attract attention. There are two desirable forms of the Celosia, the Coekscomb and the Feathered. There are several colors, red, orange, and yellow, but the bright reds are the best. These combs are often grown a foot or more across the top,

Vick's New Japan Coekscomb far excels every other variety in the varied forms and beauty of the combs and the brilliancy of their color. It not only sustains its original character, but seems to like the American climate and soil. In many specimens the comb is so nicely cut as to resemble the finest coral, both in form and color, and this appearance we have endeavored to show in the engraving. Some of the side branches also assume the square instead of the comb form.

The Feathered Celosia has large, feathery plumes of great size and beauty. Our Celosia superba plumosa is the very best of this class in cultivation, and comes true from seed. The feathery heads are often a foot in length, bright crimson, but do not reach their best until toward autumn, when their brilliancy overshadows everything near them.

Celosia Japonica, Vick's Japan Cockscomb, an entirely	
distinct and very beautiful variety	10
Empress (new). Beautiful dwarf bright purple combs and	
dark foliage	10
Crimson Glant. One of the largest and brightest of the	
Coekseombs	10
Glasgow Prize, fine dwarf, dark leaves and erimson combs	10
superba plumosa, superb feathered, bright crimson	10
Dwarf varieties mixed	
Tall varieties mixed	

COLLINSIA

Caroline Southey.

Collinsias are free-tlowering, hardy inmuals, the flower stalks being one foot to eighteen inches in height. The flowers are in whorls, and several of these around each flower stem. Seed may be sown in the open ground.

Collinsia, mixed varieties



CONVOLVULUS

(DWARF MORNING GLORY.)



CONVOLVULUS

Every one, of course, is acquainted with the old Morning Glory, which is Convolvulus major, but all do not know the dwarf Morning Glory, Convolvulus minor. It has a trailing habit, and we have tried to show its appearance in the engraving, each plant covering a space of two feet or more in diameter. The flowers are about two-thirds the

size of the Morning Glory, and a bed of them forms a beautiful mass

Convolvulus minor, annual, mixed colors..... Mauritanicus, perennial, blooms the first season from seed; desirable for hauging baskets, bearing many lavender blue flowers.... 10

CENTRANTHUS.

The flowers of Centranthus are small, borne in clusters, as shown in the engraving, on light green, almost transparent stems. They form beautiful masses or borders, and for cutting for bonquets, or other floral work are excellent. We have never experienced difficulty in obtaining plants from seed iu the open ground. Annual,

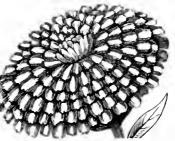
Centranthus, mixed vari-



CALENDULA.

This is the name of the old and well-known Pot Marigold C. officinalls, prized by housekeepers in Europe for flavoring soups and stews. The

Mixed varieties



CALENDULA METEOR.

flowers are dried in antumn and kept in paper bags for use. Formerly the flowers were in repute as "comforters of the heart." In mild climates this plant will bloom in nearly every month of the year, thus being a floral calendar, and from this circumstance it was named. Seeds can be sown early in spring in open ground.

Calendula officinalis Le Proust, uniformly double; nankeen, edged with brown, Prince of Orange, very fine, color intense orange... Meteor, the handsomest of all, double and beautifully striped, tho petals having a creamy center edged with orange yellow..... officinalis, Pot Marigold.....



Mixed Seed of last five varieties 10

Diadem Pink, brilliant markings and dazzling colors; mixed 10

Best dwarf varieties mixed 5

Dianthus, The Bride (New), white with purple center; very pretty 20

Crimson Queen, brilliant dark red; very handsome 15

Eastern Queen, an exquisite rose color 15

One package each of these three charming varieties only 40

DELPHINIUM (LARKSPUR).

The Delphiniums are beautiful plants, generally known as Larkspurs. They prefer a cool soil and season. Sow the seed in the autumn, or very early in the spring. Branching varieties grow two feet in height, and should be planted eighteen inches apart. The Rockets should be set in rows five or six inches apart.



D



CANDELABRIUM LARKSPUR.
ANNUAL VARIETIES.

Delphinium, Double Dwarf Rocket, mixed colors	5
Tall Rocket, large plant; very showy	õ
Stock-flowered, double, branching; fine for cutting; mixed	- 2
colors	
candelabrum, one foot; flowering late	
Emperor Larkspur, compact; brilliant; mixed	
One package of each of the above	30

The varieties of Dianthus known as Chinese Pinks and Japanese Pinks are among the most brilliant of our garden flowers. Plants of the tall sorts are from twelve to fifteen inches in height; those of the dwarf varieties are only a few inches high. These last make good pot plants. Seeds can be sown under glass in the Spring or in an open, sheltered seed bed. The plants are easily transplanted and should be set from eight to twelve inches apart—the dwarf varieties about six inches. The plants bloom all through the summer and, also, the second season if protected in winter.

"You take a pink,
You dig about its roots and water it,
And so improve it to a garden pink,
But will not change it to a heliotrope."
— Elizabeth Barrett Browning.

DELPHINIUM.

PERNNNIAL NARIETIES.



The perennial Delphiniums are valuable plants, the foliage clean and pretty, habit strong and good, the flowering branches often four feet in height, the spikes of flowers six inches or more in length. They are propagated by division of roots and from seed. Sow seed in the spring, and strong plants will be produced by antumn that will; flower the next spring.



Delphinium formosum, brilliant blue; white eye	10
coelestinum, celestial blue; flowers large; spikes long	10
nudicaule, beautiful bright searlet, native of California	10
Chinese, fine; blue, white and pink, mixed.	5
One package of each of the above	30
One package or each of the above	5
New varietles mixed	Ð

DIGITAL The Digitalis is q

DIGITALIS (Foxglove).

The Digitalis is quite a stately plant, when well grown, with flower stems at lenst three feet in height. The racemes of flowers, as shown in the engraving, are often two feet in length, containing scores of the prettily spotted, thimble-shaped flowers. Perfectly hardy, and sced may be lown in the spring in the garden, and transplanted as desired. In the autumn large plants can be divided, and thus plants may be increased indefinitely, but it is well to seeme a few fresh plants from seed occasionally, as in this way new varieties are obtained. Biennial.

Digitalis, purple, white and spotted, separate eolors, each.....

Mixed varleties

ESCHSCHOLTZIA.

CALIFORNIA POPPY.

This is California's state flower, now well known as the California Poppy. The plants grow to about a foot in height; the leaves are of a grayish green color, fluely cut and divided. The large, handsome flow-



ESCHSCHOLTZIA, OR CALIFORNIA POPPY.

ers, two inches or more in diameter, are yellow, orange and white, and are produced in great profusion all summer. Plants of easy culture. Seeds can be sown where the plants are to bloom. Annual.

Eschscholtzia, all varieties mixed	5
Orange, yellow and white, separate colors, each	5

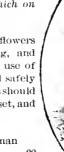
"The Daisy for simplicity and unaffected air."—Burns.

DOUBLE DAISY.

"The Daisies are rose scented, and the rose herself has yot perfume which on earth is not."—Keats.

Sow seed very early. The flowers are abundant in early spring, and may be continued later by the use of water. Plants can be removed safely even when in flower. The plants should be about six inches apart when set, and in a cool border.

Double Dalsy, best German	
seed, mlxed colors	20
White, constant	20
Longfellow, fine, large, rose-	
colored flowers	20





DOUBLE DAISY.

DOUBLE DAISY.

GYPSOPHILA.

Gypsophilas are valuable for bouquet-making, either green or dried. They are very graceful and easily cultivated. Should be in every garden. All flower the first season. Paniculata continues to bloom several years,

Gypsophila elegans, hardy annual; white; six inches	5
muralis, beautiful hardy; six inches, forming a dense mass:	
	5
paniculata, perennial; white; fine for cutting.	.,
, and the cutting	9

GODETIA

The Godetlas are profuse and constant bloomers, and their delicate tints of erimson, rose and white render them very attractive. Seeds may be sown in the open ground, but better sow in a cold-frame. Set plants a foot apart. Annual.



Lad 14. A. L. A.	
Godetia Bijou, six inches in height, very bushy, and covered with a mass of heau- tiful, pure white flowers, marked with a dark rose spot at the base of each petal	10
Duchess of Albany, bandsome, very large, glossy, satiny-flowers.	10
Lady Albemarle, brilliant dark crimson, very large; plant I foot in height	10
Satin Rose, bright rose, very fine	10
Whitneyi Brilliant, dwarf, compact plant, with rich carmine flowers	10
One package of each five above Best varieties mixed	40 5

GAILLARDIA

Gaillardias, known as Blanket Flowers, are good bedding annuals, being strong, constant bloomers through the whole summer. Set plants twelve to eighteen inches apart. Half hardy. Seed germinates slowly.

Gaillardia picta, red and yellow..... Josephus, brilliant; red and orange... albo-marginata, red, bordered with white Amblyodon, fine red picta Lorenziana, fine double variety; heads two inches in diameter grandiflora, perennial; large, brilliant



10 GAILLARDIA LORENZI-ANA.



GILIA.

Gilias are free-flowering, hardy annuals, one foot to eighteen inches high, with clusters of small, delicate flowers, white, lilue and rose eolors; desirable for cutting and suitable for rock work. Seed should be sown in the open ground, but if transplanted, remove when small.

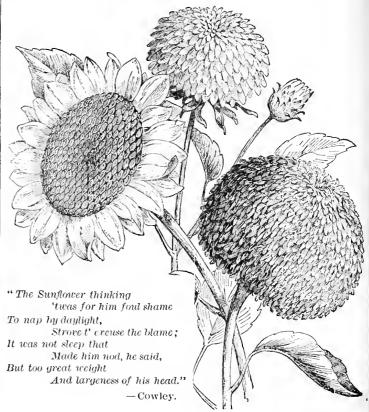
Gilla achillælfolia, mixed eolors capitata, mixed colors. 5 tricolor, mixed colors ... All varieties mixed.

REAL PLEASURE.

To make others happy gives real pleasure. Our cup of pleasure is full. -Thousands of letters received tell of the very great satisfaction given by our Novelties of last season -They read "No Garden is complete without Golden Nugget, it is the sweetest and best table corn ever grown." "The Charmer Pea for yielding, quality and table use, is unsurpassed."

HELIANTHUS.

Coarse, tall plants, from four to eight feet in height, bright, yellow flow. ers. The well-known old Snnflower is a Helianthus. The best double varieties produce a very good effect among shrubbery, and when used as screens. The Sunflower is hardy and sometimes reproduces itself from self-sown seed. The seeds of the single varieties are of consider. able value for oil as well as for feeding poultry. Helianthus multiflorus plenus, described under "Hardy Plants and Bulbs," is a variety that is attracting much attention. It can be obtained only as a plant, and we recommend our friends to try it.



SUN FLOWER.

Helianthus globosus fistulosus, the best of the Sunflowers; very large; double Double Green-centered, a large flower, green center when young; when old, perfectly double; five to eight feet in height. New Mammoth Russian, single; very large. Common Single, usually grown for the seed; per lb., 30 cents

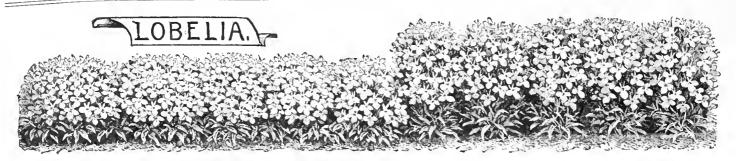
HOLLYHOCK

A good, double, clear white Hollyhoek is a very good substitute for a Camellia or a white Rose, as a center of a bouquet. We do not now think of one as good, except the double white Balsam. In situations suitable for tall flowers we know of nothing better than the Hollyhock; and yet the improved varieties do not grow very high, from four to five feet being about the average. The Holly-hock is biennial. New plants are obtained from seed and by dividing the roots. Seeds sown in the summer will give plants that will endure winter. The Hollyhoek will last a great while, for several years, if not allowed to flower too freely. Plants are, however, so easily grown from seed that little trouble is usually taken to preserve old plants. The plants may be protected during winter with a little straw and evergreen boughs, or leaves.

Hollyhock, Double, very double and fine, from the best named eollection in Europe.... 10



DOUBLE HOLLYHOCK



LOBELIA CRYSTAL PALACE COMPACTA.

LOBELIA.

Some of the Lobelias are hardy perennials, like the Cardinal Flower, Annual varieties are of various styles of growth; some of them are of trailing habit; others make low-growing, branching plants; while others form dwarf, compact, little plants, fine for edgings, etc.

Lobelia cardinalis, our native Cardinal Flower; spikes of brilliant searlet; blooms first year if well started with heat..... 10

ANNUAL VARIETIES.

Crystal Palace compacta, dark-blue, the best for edgings	
and carpet-bedding	10
Emperor William, light blue, compact, very fine	Ю
erinus compacta, deep, rich blue	10
erinus compacta alba, white	-10
hybrida grandiflora, large, dark-blue flowers, with white eye	10
One package of each of the above.	50
Mixed varieties for baskets, etc.	

MARIGOLD.

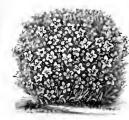
Here's flowers for you; Hot larender, mints, savory, marjoram, The marigold, that goes to bed with the sun, And with him rises weeping.

—Shakespeare, Winter's Tale.



FRENCH MARICOLD.

AFRICAN MARIGOLD.



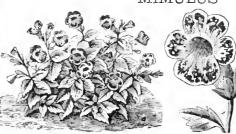
TAGETES S. P.

The French and African Marigoids are valuable for their flowers in Autumn, and can be grown to advantage in little clumps with other plants in the front of shrubberies or in the garden border. The African varieties are the tailer in growth, the French produce the best flowers. The dwarf growing kinds adapt themselves to spots where the tailer varieties would be unsuitable. Seeds can be sown in a cold frame or in a seed-bed in the open border and the young plants transplanted late in spring where they are to remain. — Annuals.

African Marigold, mixed varieties	5
French Marigold: stribed, vellow and brown	- 5
Tall varieties, mixed	5
Dwart varieties, mixed	5
tagetes signata pumila, a beautiful plant, forming a	
globular, dense mass; fine for bedding and borders	5
One package of each of the above	20
* * * * * * * * * * * * * * * * * * * *	~∪

LOBELIA HYBRIDA GRANDIFLORA

MIMULUS



MIMICLES

The Minulus, or Monkey Flowers, are beautiful, tender looking plants, with almost transparent branches. Fine for baskets, vases, and house entirie, and do well planted out where they will be somewhat shaded. Percennial, but bloom the first season.

Mimulus cupreus, beauti-

preus, ocaun-
s, beautifully spotted as the
itiful double flowers 10
s, from best varieties 10
40

MESEMBRYANTHEMUM.

The Mesembryanthemums are pretty, half-hardy annuals, with delicate, succulent, almost transparent branches and leaves. The most popular are known as fee Plant and Dew Plant. Both are of drooping habit, and adapted to baskets, vase work, and rockeries. The flowers of the Ice Plant are small and white. The Dew Plant has a smooth, light green, dewy-looking leaf, and a very pretty pink flower.

 Ice Plant, prized for its singular icy foliage
 5

 Dew Plant, reddish violet
 5

MIRABILIS.

FOUR O'CLOCK.

The Mirabilis, or Four O'Clock, grows two ft. high, bright foliage, fragrant flowers and desirable colors. Set plants two feet apart. Makes a nice summer hedge if set a foot apart. Seed should be planted in the open ground where the plants are desired. Opens in the afternoon. Perennial, blooming the first season.

Mirabilis, Marvel of Peru, mixed colors

Variegated Follage, flowers of a variety of colors.....

Long Flowered, white, sweet-scented; flower3 to 4 in. long... Long Flowered violet, same as above, except color...

Tom Thumb, very MIRABILIS, dwarf, covered with pure white flowers

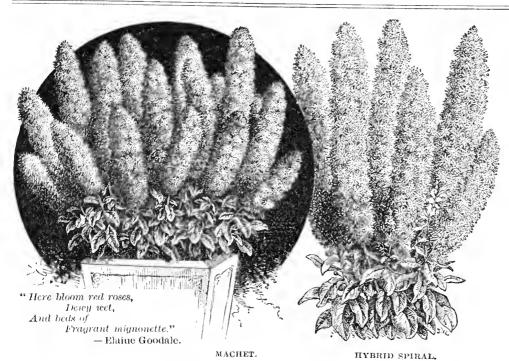


One package of each of the above

MOLUCCA BALM

The Molucca Balm is commonly known as the Shell Flower, because of the resemblance of the callyx to a shell. It is a strong annual, 2 or 3 feet in height, having but few leaves. Very curlous and attractive.

Molucca Baim, or Shell Flower..... 10



MIGNONETTE.

LITTLE DARLING.

Seeds of Mignonette may be sown at any sea. son, so that by having pots prepared at different times a succession of flowers can be secured. ent times a succession of nowers can be secured. Seed sown early in the garden will give flowers through summer. Plant in a cool place and its glories will continue all through the fall. For winter blooming keep in a cool room till buds are formed and begin to show. Then bring into temperature not exceeding 50 degrees at night. Now 8 Sufred has long, strong spikes, as shown in Ne v Spiral has long, strong spikes, as shown in the engraving. Very few cultivate the com-mon Sweet Mignonette compared with the many that might show their love of this sweet little flower.

Mignonette, Sweet, well known, frag-	
rant, little, hardy annual; per oz., 20 ets.	5
odorata grandiflora ameliora-	
ta, large variety of Mignonette, red-	
dish tinge to flowers; per oz., 25 cents	5
Golden Queen, a very fine, new and	
distinct variety, with flowers of a golden	
hue; the best of recent introduction	10
Machet, plant dwarf and vigorous, of	
good habit, producing many large spikes	
of very sweet-scented red flowers; fine	
for pot culture	10
New Hybrid Spiral, robust plant,	
long spikes	10
Parson's New White	5
One backage of each of the above	35

MYOSOTIS.

Perennial plants, flowering first season if sown early; small, white and blue flowers. Seed may be sown in a hot-bed and transplanted, or in the open ground in the spring.





NEMOPHILA

LOVE IN THE GROVE - BABY EYES.

The Nemophilas are pretty, delicate, hardy annuals. The flowers are mainly blue and white. They do best if sown in a frame and transplanted early, as the hot sun injures the flowers; but do finely all summer, if planted in a rather cool, shaded place. Set about six inches apart. A few plants set early among spring flowering bulbs or seeds seattered over the beds in autmnn, will give a good account of themselves in early spring.



NEMOPHILA.

Nemophlia, mixed varieties.....

NICOTIANA

FRAGRANT FLOWERING TOBACCO - EVENING BLOOMER.

Of the varieties of Tobacco cultivated for the fragrance of their flowers, the newly introduced Nicotiana affinis is the best we have grown. The plant attains a height of three feet, and at evening and early morning is covered with deliciously-scented, large, white flowers.

NIGELLA.

LOVE IN A MIST.

Seeds grow readily, may be sown in the open ground early in the spring. Hardyannuals, with finely cut leaves and currious showy tlowers.

Nigella Damascena (Love-In - a - Mist), domble; one foot. Damascena nana, dwarf; variefy of col-



Nigella Hispanica, large-flowered; very fine; one foot ... Fontanesiana, like Hispanica, blooming two weeks earlier... One package of each of the above.....

NOLANA.

THE LITTLE BELL.

Nolanas are trailing, hardy annuals. Prefer a light soil. Seed may be sown in the border where the flowers are desired, or in a seed-bed to be transplanted as needed. Excellent for rock-work, baskets, etc. Flowers cup-formed, something like those of the Morning Glory.

Nolana, mixed varieties.....





WHITE CENOTHERA,

ŒNOTHERA.

EVENING PRIMROSE.

Enotheras are very fine, half-hardy annuals, opening their flowers suddenly in the latter part of the day, and making a most brilliant exhibition during the evening and early in the morning. Some of the large varieties attract much attention.

Œnothera acaulis alba, dwarf; a	
marvel of beauty; pure white	1
Lamarckiana grandiflora, flowers	
yellow; four inches in diameter; plants	
grow four feet in height	

➡ PETUNIA. ➡

There are two distinct kinds of single Petunias; the Granditlora sorts with large flowers; and the small-flowered section, which gives abundance of bloom. These last are sold as Blotched and Striped, Fine Mixed, and Countess of Ellesmere, and make wonderfully pretty beds, few things better. The latter flowers are pink, and come always true from seed. For showy beds, therefore, the small-flowered kinds are best, but for little groups of plants, or single plants, the Grandifloras are admirable, the flowers often being four inches in diameter.

the flowers often being four inches in diameter.

Petnnia seed sown in the spring will produce flowering plants in June. Set the plants about 18 inches apart. They come pretty true from seed, but are not reliable in this respect, being inclined to sport. They do well sown in a cold-frame, hot-bed, or in the open ground. Few plants will make a more showy bed than the Petnnias, giving flowers from early summer until after frost. The seeds of the Double Petnnia do not possess as much vitality as those of the single, and a good deal of eare must be used to get them to germinate, nor will they all come double.

F	Cluma granumora, choice mixed, from show however	25
	Choicest Double. The seed we offer is the best to be obtained. The double Petunia bears no seed, and but little pollen	25 25
	One package of each of the above three	00
	SMALL FLOWERED. SUITABLE FOR BEDDING.	
	New Dwarf Inimitable, a really dwarf variety, forming a compact little plant 5 to 8 inches in height by as much in diameter, covered with regularly striped flowers. Admirably adapted for massing, as well as for pot-enlure. Countess of Ellesmere, dark rose, with fine white throat	25 10
	Blotched and striped	10
	One package of each of the above three	35
	Fine Miyad	10

lish Primrose 10
One package of each of the above 80





The word *phlox* signifies "a flame" and a good ribbon bed of Phlox is a dazzling sight, and there is nothing so cheap. In a good, rich soil it will grow eighteen inches or more in height, and no annual or perennial will give more satisfactory return for the outlay.

The Phlox Drummondii, for a mass of splendid colors and a constant display, is not excelled by any other annual or any percunial that we are acquainted with. It has every desirable quality for this purpose. The colors range from the purest white to the deepest blood purple or crinson, and yellow, and striped, the clear eye of the Phlox being peculiarly marked. Seed may be sown in the open ground in May, or in hot-bed or cold frame carlier; and in either case, from June, during the summer and autumn, the plants make a most brilliant bed of showy, yet delicate flowers. Set the plants about one foot apart, unless the soil is very poor; if too thick they suffer from mildew.

The Phlox makes a very good border or low summer hedge. The finest effect, however, is produced by planting each color in a separate bed, or in ribbon fashion, its constant blooming making it desirable for these purposes. In selecting the plants, get good contrasts of color, as white, searlet and rose. Phlox usually comes very true from seed, so that it is particularly desirable for forming ribbon beds, and if a plant of a wrong color is found it can be easily removed, and the place will soon be filled, for the Phlox is a vigorous grower when it has room.

The seed of the Phlox is perfectly hardy, and we have good success in planting in the autumn, but it must be sown so late that the seed will not start in the fall, for the plants will not bear frost. Early spring is generally the best for sowing. We grow from five to ten acres of Phlox every year, devoting much time and means to its improvement, and have no hesitation in saying our strain of Phlox Drummondii is the best the world produces.

"In emerald tufts, flowers purple, blue and white; Like sapphire, pearl and rich embroidery."

-Merry Wives of Windsor.

Phlox, Deep Blood Purple	10
Brilliant Scarlet	10
Vlolet Queen, violet, with large, elear white eye	10
Carmine Queen, beautiful earmine, with large, white eye	
Leopoldii, splendid deep pink, with white eye	10
Rose	10
Rose, with white eye	10
Violet and Lilac	10
Pure White	10
Pure White, with purple eye	10

Phlox, Chamols Rose, very delicate and fine
Isabellina, a light dull yellow.
Radowitzii Rose, striped with white
Radowitzii Crimson, striped with white
Radowitzii Violet, striped with white
Vick's Beauty, delicate pink, very large and new 15
Vick's New Double White, a very fine, robust, half-dwarf, nearly all coming double; very desirable for cutting
One package of each of the above 17. \$1 50 All varieties mixed 10
•

PHLOX DRUMMONDII GRANDIFLORA.

The flowers of this section have round petals, and larger flowers than the old sorts. These varieties we have found to be nearly constant:

Phlox grandiflora splendens, bright scarlet, white eye 1
Pure White, large
Elegans, margin rose to crimson, large, round, white eve
Dark-Purple, with white eye.
Dark-Purple, striped with white.
Scarlet, splendid
Rose-Carmine, with white eye.
Quadricolor Rosea, rose petals
One package of each of above 8 varieties.
Choice mixed

PHLOX DRUMMONDII NANA COMPACTA.

These dwarf annual Phloxes are very desirable for edgings and ribbon beds, and useful for pot culture. They grow six to eight inches in height, forming dense masses of bloom all summer. Of the many varieties, the following are the best:

Phiox, nana compacta crimson, striped with white 1
Carmine, dark eye
Carmine-Rose, white eye; very fine1
Chamois Rose, fine shade of rose.
Cinnabarina, cinnabar-red, with small, white eye 1
Fireball, bright scarlet.
Deep Rose, crimson eye
Snowball, pure white
Violet and Lilac
Best varieties mixed
One packet each of the above 9 varieties for \$1.10, or six for 7
Star Phlox (For description picture swe cor open proved !





greets us in the early spring with a profusion of bright blossoms. It will flower better in the middle of summer, if planted where it is somewhat shaded from the hot snn, and especially if furnished with a g supply of water, but in almost any situation will give flue flowers in the spring and antumu.

bloom until after severe frosts, endures our hard winters with safety,

Pansy seed may be sown in the hot-bed or open ground; if sown in the spring, get in early, so as to seeme flowers during the early raius. &

sown in a cool place in June or July, and well watered until up, produce fall flowering plants.

To have good flowers, the plant must be vigorous, and make a rapid growth, as it will in rich, moist loam. Young plants give the largest flow Old worn-out plants should be replaced. If the plants come into bloom in the heat of sninner the flowers will be small at first, but as the west. becomes cooler they will increase in size and beauty. Often plants that produce flowers two and a half inches in diameter during the cool, show weather of spring, will give only the smallest possible specimens during the dry weather of summer.

Pansy, Azure Blue, extra fine	15	1
Black, with bronzy center, fine	15	15 Gellow margined, beautiful color, with margin or belt of
Bronze-color, very good	15	15 yellow
Dark Blue, very rich and constant	15	ANY EIGHT of the above twenty-two
Dark Purple, rich, deep purple; very fine	15	15 ONE PACKAGE OF EACH of above twenty-two
Emperor William, ultra-marine blue with violet purpl		15 Mixed seeds of above sorts
Havana Brown, new shades		
King of the Blacks, almost coal black, coming true		Odler, or large-eyed, dark spots on petals, large eyes; very
seed		
Light Blue, lovely shades of sky-blue.	15	15 Bugnot. This French strain is a very beautiful but shy seeding
Lord Beaconsfield, deep purple-violet, shading off to	white	class, having very large flowers with very broad blotches, and
hue15		from the large spots extend delicate peneilings to the
Mahogany-colored, a very fine variety	£ر	extreme edge of the petals. The seed is of our own
Pure Yellow, with dark center, generally true to color 15	€:	growing, saved from selected plants
Purplish Violet, distinct and fine	1800m	Cassler's Glant Blotched, very large, rich and
Quadricolor, new and distinct; colors very brilliant 15		showy. Of the popular Odier type, of fine form and
Red, bright coppery colors, but not strictly red 15	5 3	
Silver Edged, dark purple, with white border. A	1/1/2	good substance. Plants neat and compact
	100/_	Glant Trimardeau, a distinct class. Plants vigor
		ous and compact; the flowers thrown well above the fo-
Snowy White, good form and size, generally coming		llage, and marked with large blotches. Enormous di-
true from seed.		mensions—some specimens grown on our grounds meas-
Striped and Mottled, extra and very showy 15	. ~2	uring over three inches in diameter. Mixed colors
Violet, with white border; somewhat resembling the	-	
fancy Geraniums	-	ONE PACKAGE OF EACH of the above four beauties
White, sometimes slightly marked with purple 15		Superb Mixture of extra strains and specimen plants
"Those Pausies are yeary fine in fact I cannot enprepriet	alv decori	with them. I served the seed in the house early in the winter, and now it

"Those Pansies are very fine, in fact I cannot appropriately describe them. I sowed the seed in the house early in the winter, and now (June plants are in their glory. The package of plants arrived O. K., and are doing nicely. I have had better success with your seeds and plants from any other house."—Mrs. F. W. H., Dover, N. H.



PAPAVER.

THE GRAND ORIENTAL POPPY,

All the perennial Poppies are perfeetly hardy, and seed may be sown in the open ground. The single, large, perennial Poppies are a great addition to the herbaceous border and are of great value among shrubbery, as they



Flower 1/2 natural size. tend to relieve and lighten up the usual dark and sombre character of clumps of shrubbery. Perennial.

Papaver bracteatum, searlet; three orientale, very large, red, one of the linest; three feet.... involucratum maximum, fine large flowers. 10

THE CHARMER PEA

This decided novelty, which we introduced in 1892, met with an instantaneous and deserved success. It is emphatically The Leader, being absolutely the very best in quality, flavor and productiveness. Comes into bearing between Little Gem and Champion of England.

If you did not try it last year, be sure to do so now. You will not regret it. See full description and prices in Novelty Pages, printed in colored ink.



Tiptoe, tiptoe pretty things, Butterfly flowers with gaudy wings, Gay little blossoms dancing for fun Flaunting your ballet girl skirts in the sun. Now you are tired, the day is far spent, Ah, but you had a fine time ere it went. Dark little heads 'neath sunbonnets gay Droop like the children tired of play. Closer the sunbonnets draw while we peep, There, now the poppies have all gone to sleep.

-A. Beard.

ALPINE ASTERS.

These perfectly hardy, glorious flowers are luxuriant in growth and magnificent in show. They are natives of the Alps, and a decided novelty in America. Pale colors grow 6 to 9 inches high. A most eliarming and effective plant for Border or Shrubbery. Early bloomer, For full particulars, see Novelty Pages and last page of cover.

No garden is complete without them.

POPPY.

Good annual varieties of the Poppy are numerous, ranging in size from the little Rannneulus-flowered, an inch in diameter, to the large Parony-flowered. plants have strong tap-roots, and are difficult to transplant; it is better to sow the seed early in the spring where the plants are to flower. All the Poppies are perfectly hardy,

Vick's New Brilliant. The most magnificent Poppy in the world. See colored pages, under	
head of Specialties	1
Shirley, new. Perfectly hardy and flowers	
profusely the first season from seed. Flowers	
large, exceedingly graceful, and elegant; gen-	
crally single or semi-double; the colors are	
pure, soft and varied, and range from blush-	
white, rose, delicate pink, and carmine through	
innumerable tints to bright sparkling crimson,	10
Mikado, new. The flowers, large and loose,	
resemble the Japanese Chrysanthemum, while	
the petals are cut and fringed in the most at-	
tractive manner. The color is pure while at	
the back, while the edges are of a brilliant crimson scarlet.	4.
One package of each of the above three	30
Danish Flag, flowers brilliant searlet, with a	Ю
large silvery-white blotch at the base of each	
petal, forming a white cross on scarlet ground,	Į
Pæony-flowered, large flowers, very double	,
Ranunculus-flowered, small, double	
Papaver nudicaule, yellow, biennial;	ė
blooms from May to October; 1 foot	L
Papaver umbrosum, flowers bright ver-	,
milion, with a shining black spot on each petal;	
very showy	ŧ
Scarlet Single, the single Scarlet Corn, or	
Field Poppy, of Europe; very gorgeous	ð
somniferum (Opium Poppy), true,	
single, per pound, 90 cents; per ounce, 10 cents,	÷
Carnation - flowered (somniferum	
fl. pl.), (Double Opium Poppy), splen-	
did large double flowers; mixed colors	5
One package of each of the above eight	30
Mixed varieties	5

PYRETHRUM.

We have found the Pyrethrum to be entirely hardy in this section. It would be well to sow seed under glass, but we have grown it by sowing seed in the open ground, A good double Pyrethrum is as desirable as a good Aster, quite as large



PYRETURUM.

rethrum hybridum, double vari- etics mixed
ouble feverfew
olden Feather, prized for its yel-
low foliage

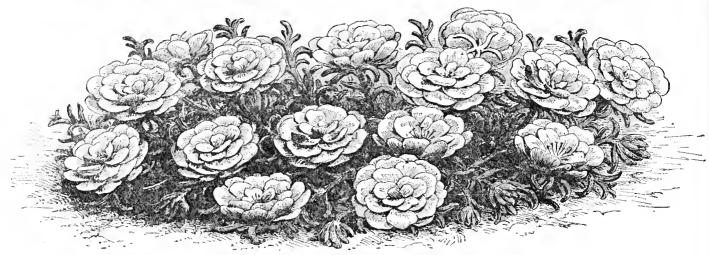
ROCKET.

The sweet Rocket is a very hardy bieunial, bearing clustersofsingle flowers, and fra-grant during the evening. The grant dia...
evening. The
eolors are purple
eolors white. Tho and white. The plant with fair culture, will grow eighteen inches in height,



ROCKET.

and seed will ROCKE
germinate readily in the open ground. Perennial. Rocket, Sweet Purple..... Sweet White



DOUBLE ROSE-FLOWERED PORTULACA. FIRST QUALITY, MIXED.

PORTULACA.

The Portulaca is a popular, hardy, ereeping annual, each strong plant covering a space about two feet in diameter. It delights in a warm sun and sandy soil, and the drouth is never too long nor the heat too intense for this beautiful little salamander. When everything else is perishing for lack of moisture, the Portulaca will give its largest flowers and brightest colors. The Portulaca does not like a clay soil nor black muck. It makes a brilliant bed on the lawn. There is a great variety of colors both among the single and the double sorts. The flowers of the double varieties are like little roses.

Sow seed in the open ground early or under glass. The plants can be transplanted when in full flower, and in making a ribbon bed with Portulaca, we always wait until the first flower opens, so as to be entirely sure of the colors. The perfectly double Portulaca forms no seed, so that seed must be saved from semi-double flowers, and from fifty to seventy-five per cent. of plants from this seed will usually give double flowers.

Portulaca alba, pure white; alba striata, white striped with rose; caryophylloides, rose striped with curmine; New Rose, fine rose color; Thellussonli, fine crimson; splendens, rosy purple; aurea, straw color; aurea vera, deep golden yellow; aurea striata, sulphur yellow, striped with gold.



Blood red, searlet fruit, one of the best

RICINUS.

The Ricinus has very ornamental foliage and showy fruit. Plant seed in open, very rich deep spaded ground, in a dry situation, as early as safe in the spring. Fine for center of beds, as it gives a magnificent semitropical appearance-stately in growth. When three or four are planted together the effect is luxuriant and conspienous. The common Castor Oil Bean is cultivated for the oil and grows about 20 bushels per nere.

beautiful; 6 feet	10	į
purple, magnifl-		l
eent; 6 feet	10	
Borboniensis,		
beautiful, large		i
leaves; 10 feet	10	ŀ
; 5 feet	10	
stem and leaves; 10 feet	10	
fruit rose, 6 feet	10	ŀ
	***	ı

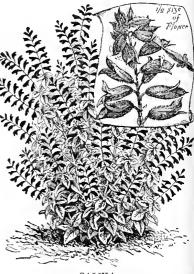
Ricinus macro-

carpus, whitish,

SALVIA

Salvia, ealled Flowering Sage, grows freely in any light, rich soil; from eighteen inches to two feet in height. Plants should get a good start in the hot-bed, and not be planted out before the weather is warm. Thrifty plants may be potted in the fall for winter blooming.





SALVIA.

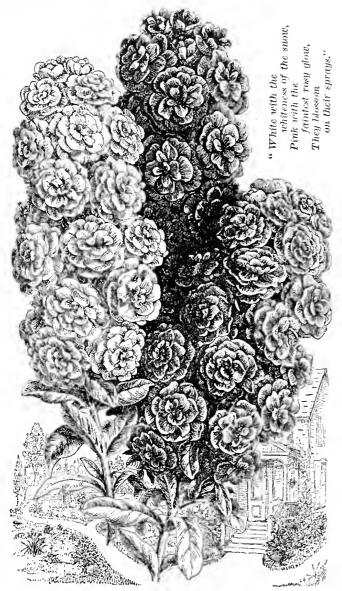
"'Twas a dainty little flower
That was sleeping in a hower
Underneath the spreading branches of the laurel and the pine;
Where a shadow was in hiding
From her sunlight-lover, gliding
In his madly-merry seeking for his dusky sweetheart's shrine.

Then the wind came gently drifting,
And the leafy portières lifting,
Darted in and touched the sleeping flower with his magic art,
When she ope'd her eyes so tender,
Lighted all the place with splendor,
And the sunlight clasped the shadow to his palpitating heart."
—Frederick A. Bisbee, on the Anemone.

STOCK, TEN WEEKS.

The Ten Weeks or Annual Stock presents nearly or quite all the requisites of a very perfect flowering plant—good habit, fine foliage, beautiful flowers of almost every desirable tint. Seeds of the Stock may be sown in the open ground, or in a hot-bed or cold-frame; but if transplanted let this be done when the plants are small, just out of the seed leaf, or the plants become slender and do not flower well.

A little shade from the hottest sun, and water in the evening will add much to the size, beauty and durability of the flowers. Set a foot apart. Make the soil deep and rich. Some of the varieties are desirable for winter flowers, and are used for this purpose by florists. Indeed, any of them will do well in a house that is tolerably cool and moist.



TEN WEEKS STOCK. NEW, LARGE-FLOWERED DWARF, MIXED.

If the plants that are not too far advanced are taken up carefully in autumn and potted, they will flower finely in the winter. It is a good plan to sow seeds late in the season for this purpose. Although not a constant bloomer, like Phlox, Petunia, etc., the flowers endure for a long time, and the side shoots give a succession of flowers, under favorable circumstances, for months; indeed, the growth and flowering seem almost perpetual where the plant can obtain a needed supply of moisture.

Stock, Largest-flowering Dwarf, dwarf habit, with magnificent large spikes, very large double flowers; all colors mixed	10
Largest-flowering Dwarf, in colors, white, flesh-eolor, rose, carmine, erimson, blood-red, blue, lilae, violet, purple, brown, brick-red, aurora color, chamois, canary yellow, ash, etc., each	
Large-flowering Pyramidal Dwarf, of pyramidal habit;	
with long spikes of large flowers, choice colors, mixed	25 25

Stock, Snow Flake (Forcing). This variety of Dwarf Wallflower-leaved Large-flowering Stock is the earliest white, and one
of the earliest of all Ten-weeks Stocks. Admirably adapted for
forcing; the snow-white flowers are uncommonly large, and
double. Seed produces about 60 per cent. of double flowering
plants.

Large-flowering Wallflower-leaved, smooth, dark, shining leaves; dwarf habit. Set six inches apart. Mixed colors If
Wallflower-leaved, White. A beautiful variety, the flowers being the clearest possible white, contrasting grandly with
the dark green, glossy foliage. Grown largely for cut flowers... If
Wallflower-leaved, Blood Red. The deepest red of all the

BROMPTON STOCK.

Stocks. A very choice variety, prized by florists for cutting 15 Early Autumn Flowering, commences flowering in the autumn. Remove to the house, blooms during the winter; mixed 25

The Brompton Stock is a biennial. Both the plant and its flowers are larger than the annual, and the spikes longer and bolder. In the milder sections of Europe this flower grows so luxuriantly that it would be difficult to find one more showy, some spikes of blossoms we measured being nearly a foot in length. It is a misfortune for us that the Brompton Stock cannot endure our winters, but plants grown in open ground can be removed to the house in antumu, where they will flower well if not kept too hot and dry. In spring they can be transferred to the garden.

Stock Brompton, best mixed colors	15
Emperor, hybrid between Brompton and Annual	25
Tree Giant Cape Winter	25

SALPIGLOSSIS.

Salpiglossis is a splendid half-hardy annual, with flowers of a peculiar richness, very delicately and beautifully penciled. About two feet in height. Seeds may be sown under glass, but do well in the open ground, if the soil is light.



SALPIGLOSSIS.

"Thank God for the beautiful flowers
That blossom so sweetly and fair;
They garnish this strange life of ours
And brighten our paths everywhere."—Dexter Smith.

SENSITIVE PLANT.



SENSITIVE PLANT.

The Scnsltive Plant is really a pretty plant, and affords a good deal of amusement, not only to children, but to those of larger growth. Seed should be started under glass, and not transplanted to the open ground until the weather is warm. A plant or two reserved for the house will be an object of interest during the winter. Start a young plant in a pot, and plunge the pot in the earth to the rim, removing it to the house in autumn.

Mimosa pudica, a tender, sensitive anual.....

5



Tropagoliums, known as Nasturfiums, are half-hardy annuals, bearing in profusion very beautiful and much admired flowers. The gorgeous flowers, which are of all the different shades of yellow, orange and red, have of late years been much improved, the blossoms being larger and more brilliant than the old-fashioned sorts. The varieties of T. Majns and T. Lobbianniu (hybridum) will be found described under the head of "Climbers." They are very desirable, and much cultivated in the greenhouse; but when allowed to run on the ground and pegged down, they make a brilliant bed.

The Troparolius are very much used for making dense masses of color. Some beds of the scarlet varieties which we have seen were of surpassing brilliancy. The Tom Thumb varieties are an especially desirable class. The blooms last a long time, and we cannot recall a class of flowers more useful than these. The habit of the plant is perfect, and in the hottest weather they seem to thrive and bloom luxuriantly. When planted in poor soil they flaver profusely, if soil is too rich they run to leaves. No garden is complete without a few of these favorites. Set plants one foot apart.

Tropæolum, Tom Thumb Beauty, orange and vermilion Carter's Tom Thumb, scarlet Crystal Palace Gem, sulphur, spotted with maroon Dark Crimson Pearl, light cream color_____ Rose, new color in Nasturtiums..... Spotted, yellow, spotted with crimson..... Uellow Empress of India, splendid dark-leaved crimson flowers 10 King of Tom Thumbs, foliage dark bluish green; flowers brilliant scarlet 10
King Theodore, flowers very dark 10 Lady Bird, golden yellow, flamed with crimson 10
Ruby King, foliage very dark 10 Mixed Varieties

SCABIOSA (Mourning Bride).



The tall Scabiosas grow two and a half feet in height, the flowers being on very wiry stems. The dwarf sorts are about eighteen inches in height. Sow in the garden or under glass. Plants, if thrifty in the autumn, not weakened by overflowering, often flower the second season,

Scabiosa, all colors mixed Double Tall, new Double Dwarf, very pretty com-pact plant stellata, starry seed vessels; excel-lent for winter bouquets

SWEET WILLIAM.

The best varieties of Sweet William are of exceedingly beautiful colors, very large, and almost perfect in form, with trusses of great size. Treatment as for Carnation. The plants are perfectly hardy, and may be increased by a division of the roots. There are very good double





SWEET WILLIAM.

varieties. It is well to raise new plants every few years from seed, for old plants become debilitated and unsightly and the flowers decrease in size. The Sweet William is a very old and once popular flower, and is again coming into favor, more and more every year. Perennial.

Sweet William Perfection, mixed	ă
Common Double	ð
Dunetti, blood red, velvety texture	5

VERBENA.



VERBENA HYBRIDA, CHOICEST MIXED.

"Sweet Verbena, which being brushed against, Will hold us three hours after by the smell, In spite of long walks on the windy hills."

-Elizabeth Barrett Browning,

Very few annuals will make such a gorgeous display during the summer months, or furnish more flowers for cutting, than the Verbenn, Sow Verbena seed under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual, plants that will perfectly cover a space four feet in diameter, flower well in July and continue strong and healthy until destroyed by frost. Another strange fact, not generally known, is that nearly all Verbenus raised from seed are fragrant, the light colored varieties particularly so. Leading florists, admit that we have the finest collection of Verbenas they have ever seen, either in America or Europe.

Verbena, nybrida, extra inte mixed choice seed, sixed only	
from the most beautiful named flowers	
Striped, excellent flowers, with broad Carnation-like stripes	
Scarlet, brightest scarlet, quite true	
Pure White, quite true from seed	
One package of each of above 4	65

VINCA.

A genus of beautiful greenhouse perennials; may be treated as tender annuals for the garden. If sown under glass, and strong plants are set out early, in a warm struction, they will flower in the summer and autumn, and may be potted for the house before frost. Not suitable for out-door sowing in northern latitudes. Plants about 18 inches high.

Vinca rosea, Pose	
rosea alba, white, redeye	10
rosea nova spec., pure white	10
Mixed varieties	10

WALLFLOWER

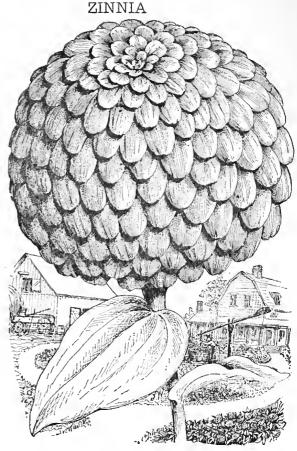
By growing Wallflower plants in the ground and transplanting to pots in the antının, or better, by placing plants in pots when taken from the sced-bed, and sinking the pots to the rim in earth, good plants will be seemed for winter flowering in the house. Give a cool room and plenty of water. Where winters are not very severe the Wallflower must make a most desirable plant, giving plenty of early spring flowers.

SEEDS OF BULBS.

There are a few Bulbs which do not come to perfection very rapidly from seed, and therefore amateurs have seldom patience to wait for this slow process, but obtain plants or bulbs that will flower the first season. A few, however, derive pleasure in watching the development from the tiny seed to the perfect plant. For the benefit of such we always keep a stock of these seeds, a few of which we will mention.

Dahlia, finest single varieties mixed 20 Gladiolus 20	Dahlia, choicest double varieties mixed	20
	Dahlia, finest single varieties mixed	20
	Gladiolus	20
<u>Yucca</u> 20	Yucca	20

The Zinnia is a large, free-growing flower, so easily grown and so handsome that it will always be popular. It is in flower all summer, making the most beiliant display possible. It is symmetrical, showly, and combined with Salvia the effect marvellons. The Double Zinnias usually grow about two feet in height, giving flowers quite as double as the Dallia. The Zinnia makes an excellent border or summer hedge plant, and for this purpose set plants twelve to fifteen inches apart, so as to make a continuous row or border.



ZINNIA

The seeds grow easily, and young plants can be moved as safely as Cabbage plants. Having taken particular pains in improving the Zinnia, we know our strain is excellent; indeed, our Zinnias have been pronounced by florists from England, France, and Germany, the best and most distinctive strains in the world.

Zinnia Daubla Chainast hast

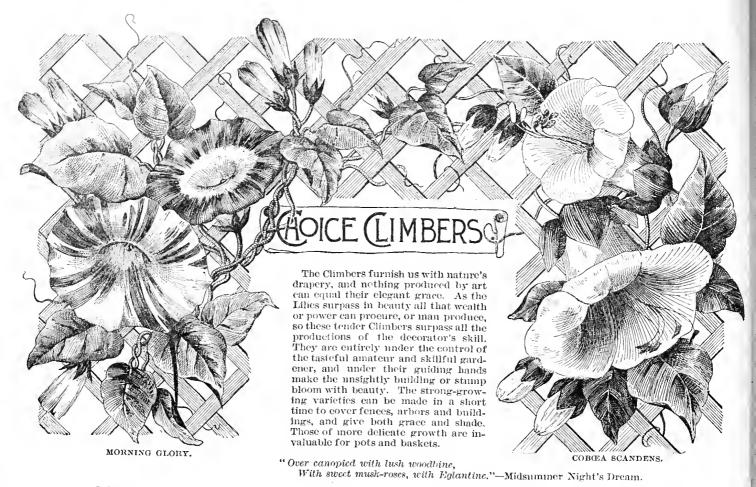
Zinnia, Double, Choicest, best colors mixed	10
Six separate colors—scarlet, yellow, orange, purple, salmou, pure white, etc.,—each color.	10
One package of each of above 6.	45
Tom Thumb, varies from 4 to 12 inches in height, and from 6 to 14 inches in diameter, forming compact, free-flowering, pigmy bushes, suited for edgings, small beds and groups.	15
Double Lilliput. In this new class we have the greatest con-	
trast imaginable to the well known large-flowered strain. The plants are dwarf, the small perfectly-formed flowers are point points and cover the plants profusely during the summer	15
One package of each the above 2 One package of each the above 8	25 65

FLOWER SEEDS BY WEIGHT.

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Per oz.
Dolichos Lablab (Hyaeinth Bean) \$0.25
Eschscholtzia, mixed varieties 40
Four O'Clock, mixed colors
Globe Amaranth (Gomphrena),
mixed colors
Job's Tears
Larkspur, Double Dwarf Rocket,
mixed colors
Laboration and application on
Lupins, mixed varieties 20
Marigold (Calendula), mixed varieties 40
Mignonette, Sweet
" Crimson Queen 50
" Golden Queen 80
granditiona amelionata 25
Giant Pyramidal 40
" Machet
" New Hybrid Spiral 20
" Parson's New White 50
Pansy, time mixed
" extra choice mixed

Per oz.	
Pansy, superb mixture)
Petunia, choicest mixed\$2 00)
Phlox Drummondii, choicest mixed 80	
" grandiflora.	
choicest mixed 1 50	1
	'
Poppy, Carnation-flowered, mixed col-	
ors 25	,
Portulaca, finest mixed single 80	,
Ricinus sanguineus 20	•
" mixed varieties 30	ı
Sweet Peas, See page 54.	
Tropæolum (Nasturtium), Tom Thumb	
varieties mixed; per lb., \$1.50. 20	1
	'
" Majus, tall varieties mixed;	
per lb., \$1.50	i
" Lobbianum, mixed varieties 30)
Verbena, mixed, from our own choice	
collection 6 00	,
Virginia Stock, mixed eolors 25	,
Double Zinnla, mixed colors 80	,
Mixed Seeds, for Wild Garden 50	



CONVOLVULUS MAJOR

Convolvulus Major, the old Morning Glory, is the best known and most popular annual climber we possess. The seeds germinate so readily that they can be grown in the garden in any corner where the plants are needed, and almost at any time. The growth is so rapid that they cover an arbor or trellis in a very short time, though it is important that support should be supplied as soon as the young plants show a disposition to run, for if this is neglected too long they will not readily attach themselves.

It was PLINY who said, "Nature, in learning to form a lily, turned out a couvolvulus." As most of our readers know, the flowers open very early in the morning, and close when the sun becomes warm. The Convolvulus propagates itself readily from self-sown seeds, giving plenty of young plants the following spring, which may be easily transplanted.

COBŒA.

We can heartily say one of the very finest and most beautiful annual ellmbers is the Cobea scandens, on account of its large size, rapid growth, fine foliage, and large, bell-shaped flowers, almost an inch and a half across, and two inches in length. It combines elegance of growth, delicacy of foliage, and exquisite change of coloring. Flowers are at first green, changing to a deep violet-blue. See ent above.

Strong plants set out early in the spring, and in good soil, often grow tweuty or thirty feet long, branching freely, and covering a large surface. Plants commence to flower when quite young, and continue in bloom until removed or killed by the frost. Care is necessary in planting seed, as it is liable to rot in the ground if too moist. Put them in moist earth, edye down, and do not water until the young plant appears, unless in a warm place and the earth is very dry. Plants can be potted and removed to the house for winter blooming. Cobeas set in a row, two feet apart, supported by brush six feet high, make an elegant sereen, or they will run over wire sereen or any other vine to a height of 10 to 12 feet. A customer says, "If I could have only one climber it should be a Cobea."

Cobœa scandens 10

CYPRESS VINE (QUAMOCLIT).

This delicate and symmetrical little climber flowers freely, and when planted in rich soil, where they are to grow, will reach a height of 20 feet. Soak the seeds in hot water before sowing.

THE GOURD FAMILY

The following are handsome plants, with delicate cut foliage, white fringe-like flowers, and pretty, small fruits, some highly colored.

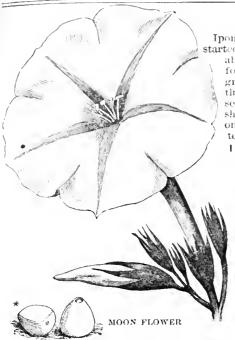
Gourd, Dish-rag, or Sponge Gourd, when ripe, the inside

resembles fibrous cloth, and is used for bathing, seouring, etc....

Balsam Apple, orange and red	5
Balsam Pear	5
Serpent Gourd	5
Abobra viridiflora, a beautiful elimber, with delicate foli-	0
age, and oval, searlet fruit	5
Bryonopsis laciniata, foliage elegant: fruit searlet, striped	
with white	5
Cucum is odoratissimus, fruit orange yellow, sometimes	
spotted with red; very fragrant.	5
Coccinea Indica, handsome, glossy foliage, searlet fruit	5
One package of each of the above eight	30
The following are some of the most valuable of the common family:	
Gourd, Hercules' Club, large, long, elub-shaped	5
Smallest Lemon, yellow	5
Pear-formed, yellow and green, cream striped	5
Gooseberry, small, bright green	5
Striped Apple, small, yellow, beautifully striped	5
Egg-formed, the true Nest Egg Gourd	5
Orange, the well-known Moek Orange	5
Calabash, the old fashioned Dipper Gourd	5
Sugar Trough, or Sap-Bucket	5
One package of each of the above nine	35
Mixed	10

HUMULUS JAPONICUS.

This new Japanese variety of Hop is a splendid annual climber for rapidly covering arbors, walls, trellises, etc. The foliage resembles that of the common Hop, but is more dense. Seed sown in the open ground in spring will produce plants of a very large size in a short time. Withstands heat, drought and iusects, and remains fresh until late in the fall. Japanese Hops, Humulus Japonicus 10



IPOMŒA

Ipomeas succeed best if started in the hot-bed. Desirable for pots, baskets, etc., for the house, also for greenhouse decoration they are very good. Cut seed on sharp end, as shown in engraving; soak one night in lukewarm water, and plant next day.

Ipomœa Bona Nox (Good Night, or Evening Glory, Moon Flower). Flowers large, white

coccinea, called Star Ipomcea, small scarlet flowers..... 5 grandiflora superba, fine, large flowers, sky-blue, broad white border. 5 limbata elegantisslma, large, blue, slrowy white

margin..... 5

MAURANDYA



Manrandya plants should be grown in the hot-bed or greenhouse. Growth of plant, five or six feet, and the foliage abundant, The flowers of the Maurandya are of good size and form and color, being about the size and appearance of

different shades of blue, white and mauve. Good for baskets, vases, or for

Naurandya Barclayana, blue..... purpurea grandiflora, purple _____ 10 White. 10 Finest Mixed



FLOWERS & NATURAL SIZE.

PEAS, PERENNIAL

Perennial Peas are perfectly hardy in this climate, die down to the ground every winter and start again in the the spring. Grow five or more feet in height.

Perennial Peas, all varieties mixed _____ 10

SWEET PEAS.

Sweet Peas are among the most useful, ornamental and beautiful of all our hardy annuals. Nothing can be better for large bouquets, as the flowers are lively and delicate, varying in color from the darkest purple imaginable, and including the brightest pinks; as fragrant as Mignonette. Sowed or wired thickly on a palm leaf or Japanese fans, with maiden hair ferns or other delicate green, they make a charming evening

floral fun for brides or anybody.

The Sweet Pea Inxuriates in a cool, moist soil, and in a damp season.
Should be sown four inches deep in stiff, heavy soil, and from six to eight inches, in light soil, and as early in the spring as possible. Don't wait for

fair weather.

Use plenty of seed, so that they will not be more than an inch apart Hoe the earth toward the plant a little, but do not form a ridge, and furnish support early. The Flowering Sweet Peas are the sweetest of eur climbing annuals.



Sweet Peas, Adonis, new; carmine-rose, choice, brilliant; per lb., \$1.25; per oz., 15 ets.... 10 Black, very dark, brownish-purple; per lb., \$1.00; per oz., 10 ets. Black, with Light Blue, brownish-purple and light blue; a royal flower; per lb., \$1.00; per oz., 10 cents ... Blue Edged, white and pink, edged with blue, delicate and lovely; per lb., \$1.00; per oz., 10 cents. Butterfly, white, lavender, laced per lb., \$1; per oz., 10 ets... Crown Princess of Prussia, bright blish, per lb., \$1.25; 10 per oz., 20 cents Invincible Striped, per lb., \$1.00; per oz., 10 cents..... Painted Lady, rose and white; per lb., \$1.00; per oz., 10 cents. 5 Princess Beatrice, rose; large; per lb., \$2.00; per oz., 20 ets. Purple Striped, per lb., \$1.00; per oz., 10 cents..... Scarlet, per lb., \$1.00; per oz., 10 cents... Scarlet Invincible, deep scarlet; per lb., \$1; per oz., 10 ets... Scarlet, Striped with White, per lb., \$1.00; per oz., 10 ets. White, per lb., \$1.25; per oz., 15 cents..... All colors mixed, per lb., 75 cents; per oz., 10 cents..... For New Varieties, SEE COLORED PAGES. The two below are not Climbers, but Creepers, and nice for baskets, not fragrant.

Peas, Scarlet winged, beautiful, small flowers.....

Yellow Winged, same habit as Scarlet Winged

Blossoms rich with fragrant memories! when your petaled sweets unfold The doors of Time swing backward, angels tune their harps of yold, Music sounds as once it sounded when my heart was all a-glow, Ere I knew tife's bleak December with its cold and blinding snow. I see the dear home garden with its flying blossoms fair, Their pink wings all extended, bright angels of the air, They hear me on their fragile wings across the years so long, Strange that life's music e'er can be only a memory song!"

— Nollie Heart Woodmorth - Nellie Hart Woodworth,



The Tropæolum majus, or Nasturtiums, are among our very cleanest, showiest, and prettiest and best Climbers. They require but little care, for seed sown in the spring of the year in any fair garden soil, will produce plants ten or twelve feet in height before autumn. They do not do as well in a rich soil, for it is apt to be productive of leaves rather than flowers.

They bear hot and dry weather very well, and we believe are not troubled by any insect, for the stems and leaves contain a pungent juice they do not like. The young shoots and blossoms are sometimes used as a salad, and the seed pods are considered a very good substitute for Cress.

There are several varieties, differing as well in the color of the foliage as in the flowers. The leaves of some are very light transparent green, while in others they are very dark, almost purplish. The flowers are of almost all shades of yellow, searlet, striped and spotted. The climbing Tropacolum is an excellent plant for baskets, vases, etc., and can even be used for bedding by pegging down the branches occasionally. Grown two or three in a large pot, with bush or lattice work support, they make a very showy ornament which can be moved at pleasure.

Thunbergia starts rath-

er slowly at first. Seed

requires hot-bed treat-

ment, but plants are grown easily from ent-

tings. Flowers white or orange; fine for baskets. All the varieties, except unicolor, have a dark, purplish eye, almost black. For house culture, baskets and vases, there are few plants superior to the Thunbergia. They may be used very effectively in beds, pegged

buff, with dark

Tropæolum, crimson	5
Scarlet	5
Dark orange	5
Edward Otto, bronze, silky and glittering	5
Orange, very handsome	5
Schulzii, brilliant scarlet	5
Scheuerlanum, straw color, striped with brown	
Scheuerlanum, scarlet striped	5
Gellow	
One package of each of above nine	35
Mixed Varieties, the green seed-pods used for pickles; per oz., 45 cents	5
Canary Flower.	
Sanary 1 lower	15

Tropæolum Lobbianum is a pretty, but somewhat delicate class, free bloomers. Desirable for house culture in pots or baskets.

Lobbianum, mixed varieties,	10
Caroline Smith, scarlet	15
Giant of Battles, sulphur, spotted with red	
King of the Blacks, dark brown	
Lilli Smith, orange scarlet.	
Napoleon 111., golden yellow, spotted with brown	15
Queen Victoria, searlet	15
One package of each of the above seven	

THUNBERGIA



down,

Thunbergla alata unicolor, yellow
aurantiaca, bright orange, with dark eye.
aurantlaca unicolor, bright orange
One package of each of the above five.
Above mixed.

SEEDS OF HARDY CLIMBERS.

These plants are mostly obtained by purchasing roots, and this is the better way when they can be procured. Some, however, cannot get plants and must be content with seeds. Sow very early in spring or autumn, in drills, in well prepared beds. Keep the soil mellow.

Ampelopsis quinquefolia, Virginia Creeper	10
Ampelopsis Veitchii, good wall plant, clinging to the smooth-	
est surfaces; absolutely the finest of the clinging climbers.	10
Bigonia radicans, Trumpet-Vine	10
Celastrus scandens, Climbing Bitter-Sweet	10
Clematis, flammula, European Sweet, white	15
Clematis Vitalba, Virgin's Bower, white	10

"Her modest looks the cottage might adorn, Sweet as the primrose peeps beneath the thorn,"

PLANTS OF HARDY CLIMBERS.

For Plants of Ampelopsis,—Aristolochia (Dutchman's Pipe), Bignonia, Clematis, Honeysuckle, Climbing Roses, English Ivy and Wistaria,—see Department of Hardy Plants and Bulbs, beginning with page 58.

GREENHOUSE $\Rightarrow + \leq$ Abutllon, finest varieties mixed..... Cholcest fancy varieties, mixed sorts, packet of five seeds 50 Begonia, Tuberous, choicest. Gloxinia hybrida, best quality; from choice show flowers..... 50 Boston Smilax, climber, furnishing yards of glossy trimming Calceolaria hybrida tigrina, spotted; fine imported seeds. Hibiscus Immutabilis, rosy flowers; three feet............... 10 hybrida grandiflora, very large, superb flowers..... James' International prize, from choicest varieties _____ 50 Humea elegans, fine ornamental biennial, four feet high..... 10 Carnation, Remontant, or Tree Carnation, atalian..... Impations Sultani, rosy-carmine; constant bloomer Grenadin, scarlet Grenadin, dark varieties mixed.

Centaurea gymnocarpa (Dusty Miller), fine for borders. Linaria Cymbalaria (Kenilworth Ivy) 25 Candidissimi, an effective white-leaved bedding plant..... Nerium Oleander, common Oleander...... 10 Clementei, crested Oxalis floribunda, fine for baskets or for pots; white and pink, Chrysanthemum Indicum, finest double..... Pompon, or Dwarf, splendid..... Passiflora cœrulea, the hardiest Passion flower Cineraria hybrida, finest large-flowering prize variefies mixed 25 Primula Sinensis (Chinese Primrose) fimbriata maritima, white-foliaged plant, similar to the Centaureas..... rubra, red; extra Clianthus Dampieri, shrubby climber, fine scarlet flowers.... fimbriata alba, white; extra Coleus, mixed seeds from choicest sorts fimbriata striata, white, striped with red.
Fern-leaved, very profty Fern-like foliage..... Cuphea Platycentra, Cigar, or Fire Cracker Plant Cyclamen Persicum Choicest varieties mixed..... giganteum, choice strain large flowers; rich colors 50 flore plane, a large percentage of the flowers perfectly double 1 $\theta\theta$ Fuchsla, choice mixed flore-albo pleno, double white; package of 20 seeds 50 Geranium, common mixed..... Solanum ciliatum, very fine; red-fruited..... Apple-scented..... EVERLASTINGS. GOMPHRENA. Start seed in a hot-bed, if possible. Set the lants about a foot apart. If the cottony coating which surrounds it is THE HELIPTERUM grows about a foot in height, branching, bears very many clusters of flowers. Should be taken when the buds plants about a foot apart. If the cottony coating removed, the seed will be more certain to grow. are about opening, tied in bunches and hung up in a shady place; and the flowers will open in the drying process, and retain their color and Gomphrena globosa alba, pure white..... brightness for very many years. globosa rubra, dark purplish crimson Helipterum Sanfordl, choice, flowers small, rich yellow..... globosa striata, pink and white striped globosa carnea, flesh-colored ACROCLINIUM. One of the most beaufiful Everlastings. aurea superba, orange; large and fine..... Gather the first day they open to secure a bright center when dried. Above mixed..... Acroclinium roseum, bright rose color HELICHRYSUM. Flowers are largo roseum album, pure white..... and full, and of a good variety of colors. Both colors mixed Two feet. Cut just before the flowers roseum fl. pl., flowers perfectly double fully expand. Plant about a foot apart. album fl. pl., new double white variety..... Seeds germinate readily, even in the Ammobium alatum grandiflorum. One of the hardiest Everlastings. Very useful for making up in bouquets; white... open ground. Hellchrysum RHODANTHE. Care is necessary in starting seeds; after good monstrosplants are grown we never fail to obtain abundance of flowers. um, double, mixed colors..... monstrosum, Double Rhodanthe Manglesli, fine for house culture..... Rose, fine color maculata, more hardy than R. Manglesii; rosy purple monstrosum, Double Red, very bright..... 5 astrosanguinea, flowers dark purple aud violet..... monstrosum, Double White, pure..... XERANTHEMUMS. Free blooming annuals, one foot. Germonstrosum, Double Yellow minate freely; transplant well when young. Set ten inches apart. bracteatum, bright yellow; eighteen inches Xeranthemum Large Purple-flowered, the largest-flowered, very double and fine..... minimum, dwarf; various colors..... nanum atrosanguineum, crimson; one foot..... plenissimum roseum, fine rose-colored, very double; new 10 superbissimum flore-pleno, purple; very fine..... Waitzias, annual. The seeds are very fine and should be sown under glass; will do well in a light soil. superbissimum flore albo pleno, white, pompon-flowered 10 Double White, very fine..... Waitzla aurea, fine yellow_____ Mixed colors..... grandiflora, flowers large, golden yellow..... ORNAMENTAL GRASSES. Coix Lachryma (Job's Tears), two feet; Corn-like leaves Erlanthus Ravennæ, as fine as Pampas Agrostis nebulosa, the most elegant of Grass, superior for a northern climate, hardy. Plants, 25 eents each; seeds..... Arundo donax variegatis aureus, Gynerium argenteum (Pampas perchnial; strong stem, with golden-yellow Grass), a noble Grass, flowers second striped leaves; six feet high Avena sterilis (Animated Oat),



ERIANTHUS RAVENNÆ.

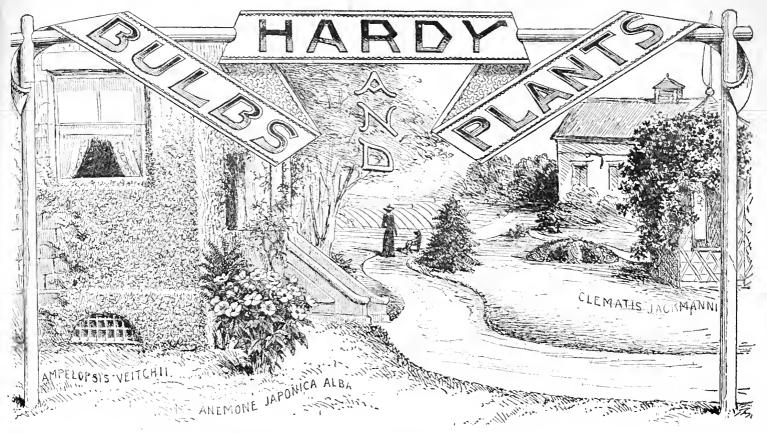


FLOWER SEEDS, CONTINUED.

ARGEMONE. Hardy annuals, make v	ery
good low hedges, grandiffora, white and yellow Mexicana, llowers bright yellow	5
Mexicana, flowers bright yellow Hunnemanni, carmine and yerlow	5 5
ADONIS VERNALIS, Perennial, About	.,
a foot in height. Flowers yellow	. 5
Sow seed under whee	181.
grandiflorn, scarlet, 2 feet linifolia, pyramidal, scarlet; 18 inches Wurscewiczi, flowers small, bright scar- let; 18 inches bight	5 10
Warscewiczi, flowers small, bright scar-	
let; 18 inches high Mixed varieties	5
AGROSTEMMA. Annual, twelve inche helght, free bloomer. Sow seed in the bed wh	s in
the bands are to bloom	ere
New Searlet, bright Cali Rosa, deep rose color	5
CECENDS DICID. ONLE OPHISON and white	5
cardinatis, bright red Mixed varietles	5 5
ANAGALLIS. Desirable for small be	ds,
edgings, baskefs, etc. 6 inches in height, eo the ground with a profusion of flowers.	AGI.
grandiflorn superba, mixed colors	5
ASPERULA AZUREA SETOSA. Hardy annual, dwarf, bearing clusters of light	
blue or laveuder, sweet seented flowers	5
ASPERILA ODORATA. Perennial, commonly known as Woodruff. Less	
than a foot high; flowers white and fragrant	15
BARTONIA. Half-hardy annual. Sow so	eed
where the plant is to flower.	5
nnrea, 18 inches in height nuren num, a dwarf variety of the above	10
HROWALLIA. Half-hardy annual, abordine elghteen inches in height, set a foot apart.	ut
Cervia Kowski, blue with white center	5
elata ulba, white elata grundifiora, blue	5 5
Muxed varieties	5
CALANDRINIA. Annual. Do best in light, sandy soil, but befter if sown under gla	ıs.
grandifiora, flowers rose umbellata, rosy purple: perennial, but	5
nowering the first season	10
CARDIOSPERMUM HALICACABUM,	10
CARDIOSPERMUM HALICACABUM, or Balloon Vine, half-hardy climbing annual. Sow seed under glass	10 5
CARDIOSPERMUM HALICACABUM, or Balloon Vine, half-hardy climbing annual. Sow seed under glass CALAMPELIS SCABRA (ECCREMO.	
CARDIOSPERMUM HALICACABUM, or Balloon Vine, half-hardy climbing annual. Sow seed under glass CALAMPELIS SCABRA (ECCREMO-CARPUS SCABER), elimber, orange flower—blooms profusely latter part of	5
CARDIOSPERMUM HALICACABUM, or Balloon Vine, half-hardy climbing annual. Sow seed under glass. CALAMPELIS SCABRA (ECCREMOCARPUS SCABER), elimber, orange flower blooms profusely latter part of senson. Sow in the hot bed. CREPIS. Yellow, bink and white: hardy	
CARDIOSPERMUM HALICACABUM, or Balloon Vine, half-hardy climbing annual. Sow seed under glass	5 5
CARDIOSPERMUM HALICACABUM, or Balloon Vine, half-hardy climbing annual. Sow seed under glass CALAMPELIS SCABRA (ECCREMOCARPUS SCABER), climber, orange flower blooms profusely latter part of season. Sow in the hot bed CREPIS. Yellow, pink and white; hardy annuals. Mixed colors CALLIRRHOE. Annuals. Thiu out plat to a foot apart.	5 5
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CARDIOSPERMUM HALICACABUM, or Balloon Vine, half-hardy climbing annual. Sow seed under glass	5 5 10 10 10 5 5 5 6 kee 10 10
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CAMPANULA, Lorei, blue and white mixed	
speculum (Venns' Looking Glass),	
CEDRONELLA CANA. With fragrant leaves, and long spikes of purplish flow- ers; 2 feet in height	
DATURA, Large, strong-growing pla	nt
trumpet-shaped flowers, white, sometimes t ed with blue. Roots can be preserved in cellar, like Dablias. Three feet in height; s	t li
Wrighfii, is one of the best, white.	
humilis flava flore - pleno, yellow, double flowers atroviolacea plenissima, flowers dark	
shades of violet, very double fastnosa alba plena, fine double white	1
fastnosa Huberiana, flowers large and double, inside white, outside colored	
Mixed varieties DIDISCUS CERTLETS. Half-hardy an-	
mal, sky-blue flowers. Sow under glass	
DOLICHOS. Plant Dolichos seed in garden where the plants are desired, and in	1.23
warm and dry a spot as possible. From six twenty feet in height. Lublab (Hyacinth Benn), a flue climber,	: 10
with purple and like flowers albus, white-flowered	,
spec. gigantens, arge, free-grower	1
EUPHORBIA MARGINATA. 2 feet in height. Leaves light green and white	
margined. Called Snow on the Mountain EUTOCA. Coarse-growing annual. Do b	es:
in warm, sandy soil. viscida, dark blue. Wrungeliana, lilac; 9 inches	
multinorn, flowers freely	
ERYSIMUM. Annual eighteen Inches his Perowskiaumm, deep orange flowers	- (
Arkansanım, sulphür yellow	
FENZLIA DIANTHIFLORA. Flowers rosy tinted with dark purple throat. Good for pot and basket culture or edg- ings	1:
GLAUCIUM CORNICULATIM. (Horned Poppies.) Leaves silvery white, something like "Dusty Miller." Hardy	
GRAMMANTHES GENTIANOIDES,	10
Annual, adapted to rockery or baskets. GEUM ATROSANGUINEUM FL. PL.	10
Showy for borders among shrubbery HEDYSARUM. Sow in the open ground	-10 I.
coronarium, perennial, scarlet	100
HONESTY, PURPLE. Lunaria biennis is a perennial that is known as Honesty	10
HUNNEMANNIA FUMARIÆFOLIA. Herbacions perennial, not hardy at the North. Flowers bright yellow	10
(POMOPSIS. Long, elegant spikes of rich orange and scarlet flowers, excellent for	10
conservatory and out-door decoration. •• AULFUSSIA. Hardy annuals, with the	5
appearance of single Asters. Six inches; blue, rose and violet; mixed colors	5
LOASA. Climber. Blooms abundantly, fricolor, yellowish, light green leaves	5 10
ANUM GRANDIFLORI'M RUBRUM. Half-hardy annual, bright erimson	5
JPINUS. Called Sun Dials. Hardy, seed must be sown in the open ground, having	,,
a tap root and not transplanting well. Prevailing color blue, though there are white and yellow varieties; mixed	_
White and yellow varieties; mixed LYCHNIS. To obtain good flowers the fit unmer, start under glass and transplant	5 st
arly as possible.	as 5
Chalcedonica. Bright searlet, percunial Cincedonica, flalbo, white; percunial; two feet	5
Haageana, verminou-colored; one toot. Haageana hybrida. Large flowers, white rose red etc. one foot.	10 10
fnigens, very brilliant; eighteen inches. granditlora giganten, mixed	10 10
EPTOSIPHON. Hardy annuals, less than six inches in height. Sow seed late in	
autumn, or early in the spring, so as to have flowers before the hot weather	5

LINARIA. Hardy annuals, resembling the	3
Snapdragon; mixed varieties LINEM. Common Flax. Seed may be s	
either under glass or in the garden,	
Percune, blue percone album, white	5
perebue rescuii, rese-colored	ភ
inferm, yellow Nurbonense, splendid	10 10
Mixed varieties MALOPE. Strong-growing, two feet.	5
grandillora, large, purple flower	5
grandiflora alba, pure white	5
MARTYNIA. Hardy annuals. Plant three feet apart. Colors are yellow, white and	,
purple; mixed varieties	10
NVCTERINIA. Small half-hardy annu	
setaginoides, pink, with yellow center Capensis, white, very sweet scented	5 5
NEMESIA FLORIBUNDA. Half-hardy	·
annual, compact. White and yellow	5
NIEREMBERGIA. Tender perenn suitable for house culture, or as tender annu	als,
For baskets, vases, etc., we emmot recommuthem too highly. Fine for pots, or the borgracilis, whitish flowers, tinted with lilae,	end
gracilis, whitish flowers, tinted with lilae,	uer.
with a deep purpush mac pioten in tho	
eenter	10 10
OXYURA CHRYSANTHEMOIDES.	
Hardy anunal, about 18 inches in height; flower daisy-like. Lemon yellow, white	
edging	5
edging PENTSTEMON. Perennial border plant; purple, blue, scarlet, rose and white.	
purple, bute, scatter, rose and winte. Seeds may be sown in May, in a cool, shady place, or under glass. Mixed PERILLA NANKINENSIS. Fine dark ornamental-leaved aunual. It has a broad, serrated leaf, of a purplish mul- berry color, and 18 inches or more in light.	10
PERILLA NANKINENSIS. Fine dark	10
ornamental-leaved aunual. It has a	
broad, serrated leaf, of a purplish mul- berry color, and 18 juckes or more in	
	5
PALAFOXIA HOOKERIANA. Annual; rosy erimson, with a dark center	5
PHACELIA. Annual. Good for bee for	
Most varieties are blue, though some are wh	
congesta, light blue; per oz. 20 centstanacetifolia alba, white; per oz 20 cts.	5
SEDUM CCERULEUM is one of the Stone-	
erops. Annual, good for rock-work and masses; blue	10
SPRAGUÆA UMBELLATA. Blossoms	
are pink, and nearly everlasting. Sow seed under glass or in a sheltered place.	15
SAPONARIAN CALABRICA. Desirable	_
for small pots or edging. Rich, deep piuk ulba, white	5
STATICE. When dried, these flowers wo	rk-
up with Everlastings to advantage. Bonduelli, annual; golden yellow flowers	5
incana hybrida nıma, perennial; mixed	5
sinuata, annual; blue flowers	15 15
SCHIZANTHUS may be treated as half-hardy annuals, and do well in the house	
or open ground. Best varieties mixed.	5
SANVITALIA PROCUMBENS flore	
pleno. Fine for pots, baskets, small beds or edgings	10
TORENIA. Beautiful trailing plants:	
vases, baskets, etc. Fournieri, an elegant plant for moist	
shady situations; velvety blue flowers; 6	7.0
inches	15 15
WIIITLAYIA. The Whitlavia is a pre-	ty
annual, with delicate foliage and drooping chars of blue and white hells. Plants are perfe	.18= .et=
ters of blue and white bells. Plants are perfe ly hardy. For a shady spot there are few flower	ers
that give more pleasure, grandillora, hardy annual, ten inches	
grandillora, hardy annual, ten inches high, violet blue, bell-shaped flowers	5
grandifiora alba, similar to above, but white.	5
white gloxinoides, same habit as W. grandi- flora, tube of the corolla pure white, limb delicate light blue.	
limb delicate light blue	5
Mixed varieties YIRGINIAN STOCK. Hardy annual;	5
fine for small bed or edgings. Red, white	
and rose; each color	5
YALERIANA. Fine for horders. Searlet.	
white, red, or mixed, each	5



" I know not which I love the most, Nor which the comeliest shows, The timid bashful violet, Or the royal-hearted rose.

The pansy in her purple dress, The pink with check of red, Or the faint fair heliotrope, who hangs, Like a hashful maid, her head.

For 1 love and prize you one and all, From the least low bloom of spring To the lily fair, whose clothes outshine The raiment of a King."

-Phoebe Cary.

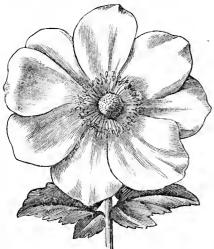
THIS department is devoted entirely to Bulbs and Plants, that will bear a Northern winter without injury, like the Lilies, Pæonies, Hardy Shrubs, etc.

All Plants and Bulbs will be delivered at your Post Office at prices given (except as noted) unless specially ordered otherwise, or where in our judgment the Expressage would be too costly. As it is much more difficult to pack a single plant, so that it will carry safely, than a larger number, we trust our customers will order accordingly. For economy and safety in packing it is best to order at least a dollar's worth of plants. When SEEDS and BULBS or TENDER PLANTS are ordered together, if not safe to send all, on account of cold weather, the SEEDS will be sent at once, and the Bulbs and Plants are once as for

and the Bulbs and Plants as soon as safe.

Should the weather be unfavorable, or the ground not prepared on their arrival, Hardy Plants, Roots, etc., had better be placed in the celar, the Lily and Paeouy being covered with about two inches of moist (not wet) soil, while shrubs and grasses, like the Hydrangen, Deutzla, Eulalia, etc., require only their roots covered, with the soil made firm

around them.



ANEMONE.

One of the best hardy, autumn-flowering plants we have. It is plain looking during the summer, with dark green foliage; but in the latter part of summer flower-stems appear, growing eighteen inches high, bearing from a score to a hundred flowers, continuing to improve until destroyed by frost. The flowers are about two inches in diameter. An excellent plant for cemeteries.

Anemone Japoni. ca alba, pure white 20

rubra, deep rose

The above two sorts for 30 cents ANEMONE JAPONICA.

coronaria is of low growth, and flowers in early summer. Dry

> "A charm has bound me with witching power, For mine is the old belief, That, midst your sweets and midst your bloom, There's a soul in every leaf .- M. M. Ballou.

"They have been at a great feast of languages and stolen the scraps,"-Shakespeare.

AMPELOPSIS.

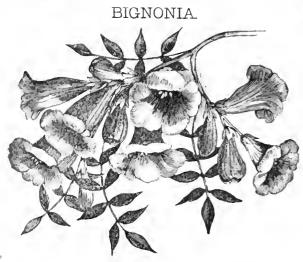
There are few plants of more value to the gardener than the Hardy or Perennial Climbers. Once planted they remain, and get larger and bet-

Ampelopsis Veitchil. This variety elings very firmly to the side of a house or wall, and will soon form a most perfect mass of foliage. It may be allowed to climb all over the surface, or it can be confined to the foundation wall only. It is a most beautlful climber, and has become a great favorite. During the summer the leaves are a beautiful shade of green, overlapping each other with wonderful regularity, but it is nearly autumn when this unique plant assumes its greatest beauty, the foliage that was once a bright glossy green, gradually changes until the whole plant is a glowing mass of the brightest shades of crimson, scarlet and orange. This variety is also known as the Japan and Boston Ivy

tricolor, foliage and habit of growth similar to A. Veitchii, exeept that the leaves are somewhat smaller and are beautifully variegated with large blotches of pure white and pink; very rare and beautiful; each

quinquefolia, or Virginia Creeper, sometimes called American Ivy and Woodbine; a very rapid grower, leaves turning to a crimson in autumn. This is a native plant, and the hard-

59



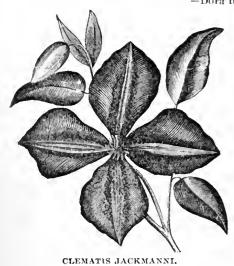
BIGNONIA.

A splendid hardy climbing plant, producing large, trumpet-shaped, orange-scarlet flowers about three inches long. They are produced in clusters, and are quite as handsome in the bud as when fully expanded. The foliage is also very beautiful, having a bright, glossy appearance that always attracts attention. This plant is not only an admirable climber, but on the lawn, makes a pretty bush if the tops are cut back, having the appearance of a strong, drooping shrub.

Bignonia radicans, or Trumpet Creeper. 20

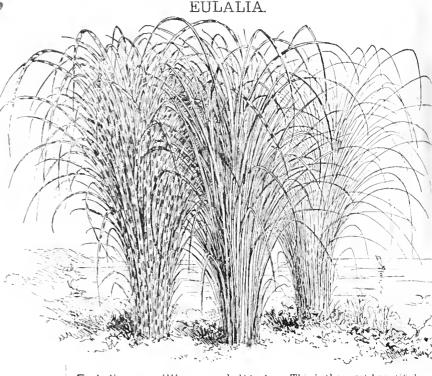
CLEMATIS

"Where the woodland streamlets flow,
Gushing down a rocky bed,
Where the tasselled adders grow,
Lightly meeting overhead.
When the fullest August days,
Give the richness that they know,
Then the wild Clematis comes,
With her wealth of tangled blooms,
Reaching up and drooping low."
—Dora Rend Goodale,



No flower has more rapidly advanced in popular favor than the Clematis, Within a few years it has become the favorite elimber of the world. It makes quick, rapid growth, and produces its beautiful showy flowers in the greatest profusion. For pillars, trellises, bedding in masses, or planting about rockwork, the Clematis cannot be excelled. The largeflowering varieties are particularly desirable for these purposes. In the fall give the plants a good top dressing of well-rotted mannie. The following spring spade it in carefully, mixing it well with the soil, and it will prove very beneficial to the plants.

A great bargain, one plant of each for \$1.00. SMALL FLOWERING CLEMATIS.



Eulalia gracillima univittata. This is the most beautiful of all the Eulalias. Foliage narrow, dark green, with a silvery white midrib. Each

Japonica varlegata. This variety, except that the variegagation of the leaf is lengthwise, is very similar in style and habit of growth to E. Japonica zehrina, and it forms so beautiful and striking a contrast to it as to make them very desirable companion plants; each.

Japonica Zebrina. This plant is unlike most variegated

The set for co cents.

· DEUTZIA.

We can highly recommend the Dentzias for hardiness, good habit, the great profusion in which they produce their flowers, and in every respect as being among the most desirable hardy shrubs in cultivation. The flowers are in racemes from four to six inches in length. Plants each 25 cents.

Double White, pure white, making it one of our best spring flowering shrubs.

Pride of Rochester, flowers pure white, large and double, reverse of petals delicate rose; very handsome.

PINK.

"The pink in truth we should not slight,

It is the gardener's pride."

-Goethe

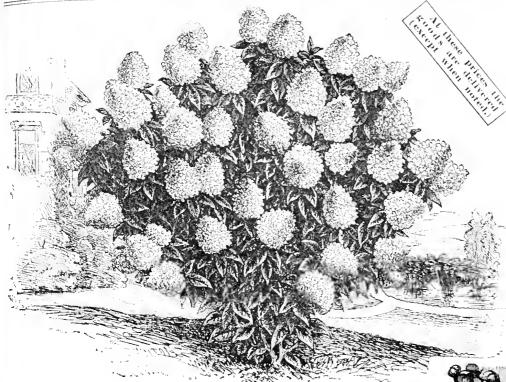
The Donble Garden Pinks bloom early, are dwarf in habit, and make fine edgings for walks. Most of them are white, with colored margin, and very fragrant. Set of four named varieties, including the old-fashioned June or Grass Pink, 50 cents; each, 15 cents

ORIENTAL POPPY.

PAPAVER ORIENTALE.

This is one of the most showy and gorgeous hardy Perennial plants grown. The blossoms are as large

as a saucer, borne on long, erect stems, and of the most intense searlet color, with a large, black center. Plants, each, 25 cts.



HARDY HYDRANGEA.

HONEYSUCKLE.

The different varieties of the Honeysuckle are esteemed among the most desirable hardy climbers. Certain it is that the associations connected with the fragrant honeysuckle will make it always popular. Among flowers none has been more written about than this, none more prized by people, prince or poet. Its common, or, rather, poetic, name is Woodbine, the botanical name is Lonieera, given in honor of a German botanist.

HONEYSUCKLE

"The honeysuckle round the porch, Has woven its wavy bowers." — Tennyson's May Queen.

HOLLYHOCK.

Queen hollyhocks, with butterfties for crowns." — Jean Ingelow-

There are few plants whose flowers so perfectly combine large size and delicacy as the Hollyhock. Its flowers are quite as double, and almost as pure and perfect as those of the Camellia, and when we remember that they mass around a column from three to five feet in height, we get some idea of their beauty. Seeds sown in the spring produce plants that will bloom the second summer. We have excellent, healthy young plants, grown from seed, that will flower the first summer, and usually for two or three summers after. The colors are nicely assorted, so that almost every color, from white to purple, may be expected. Give the plants a light covering of coarse litter for winter protection.

The set of 6 colors, all blooming plants for \$1.00.

HYDRANGEA.

This is one of the finest hardy shrubs in cultivation; the flower trusses are larger in panieles from nine to twelve inches in length, and nearly as broad; color, white at first, but changes to deep plnk as the season advances. The plant attains a height of seven to ten feet, and is remarkable for its bold, erect habit. The engraving well portrays the grandear of this lovely plant.

Hydrangea paniculata grand filora. Prices according to size.

First size, each, 40 cents; 2 for 70 cents; 3 for \$1.00. Second size, each, 20 cents; 3 for 50 cents; 7 for \$1.00. Third size, each, 10 cents; 6 for 50 cents; 13 for \$1.00.

All will bloom the first season.

"The lilies say: Behold how we Preach, without words, of purity." —Christina G. Rosetti.



HOLLYHOCK.



For grand, distinctive flowers, vielding a liberal bloom there is nothing so satisfactory \cdot and gratifying as a good assortment of Lilies.

All Lilies require deep planting, and should not be disturbed for several years. In almost every case flowers will be obtained the first summer after

planting, but it will be quite as well for the health of the plant if there is no bloom until the second season. In the North it is well, before winter, to cover the ground over and around the bulbs with three or four inches of leaves or straw, or coarse manure, as a winter protection.

"But who will watch my lilies, When their blossoms open white? By day the sun shall be sentry, And the moon and stars by night."

PERENNIAL PHLOX.

"The tall June lilies stand anear, In raiment white and gold." LONGIFLORUM.

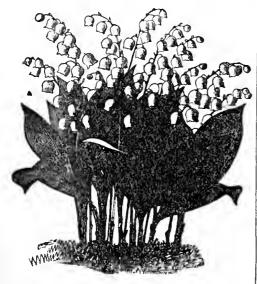
AURATUM.

Eae		Doz.	
Lillum auratum, the magnificent Japan Lily\$0	25	\$2.00	
candldum, common white	20	2.50	
croceum, brilliant orange color, covered with small			
black dots; very showy	80	2.50	
excelsum, delicate cream or buff	00		
Japonicum longiflorum, white, trumpet-shaped:			
	25	2.50	
	25	2 50	
	40	4 00	
pardalinum, one of the most desirable of the Cana-			
dense class; ilowers yellow and red, spotted	25	2.50	

-Bayard Taylor. Doz. speciosum album (Præcox), white..... 3 00 tenulfolium, foliage slender; flowers brilliant searlet. 2 50 1 50 tigrinum flore-pleno, Double Tiger Lily...... 20 2 00 Thunberglanum grandlflorum, large cluster of dark red flowers 2 00 For \$1.00, purchasers may select to amount of \$1.25.

For \$2.00, purchasers may select to amount of \$2.50.

LILY OF THE VALLEY.



"the Naiad-like lily of the valley, Whom youth makes so fair, and passion so pale."

The Lily of the Valley is quite hardy. To raise the plants in perfection in the open ground, choose a partially shaded place, prepare tho soil to the depth of two feet with a mixture of leaf mold and sand. Set the roots about six inches apart and two inches below the surface. A good plant set in a bed prepared in this manner will bloom profusely.

For winter blooming in the house we have what are called "pips," young roots with flowering stems, that will bloom in a few weeks after planting, and will flower well in baskets of damp moss, or potted. Pips for winter flowering in the house we can send out in December, as they will not suffer injury from frost. For the garden either in the spring or autumn.

Llly of the Valley, very sweet and graceful; delicately hung; per dozen. 40

The flowers of the Perennial Phlox, when the plants get strong, are immense bunches of immense bunches of bloom, from the purest white to erimson. Plants will keep in-creasing in size, and may be divided at the roots every two or three years. When in flower they are two feet or more in height.
We have reduced our

list of varieties so that it now contains the very best sorts only. Those offered produce large trusses of bloom, perfeet individual florets, and are continuous bloomers.

Perennial Phlox, August Riviere, fiery-red, shaded vio-

Chameleon, white and lilae striped.

Edgar Quinet, rosy amaranth.

Francois Coppee, creamy-white, with carmine rose center.

lsabey, orange sal-mon, center purplisherimson.

Mile. Cuppen-helm, pure white, dwarf.

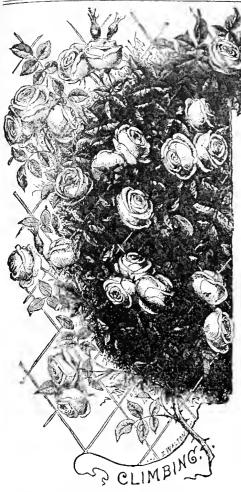
Richard Wallace,

Plants, each, 20 cents, 3 for 50 cents. The set, 85 cents.

Tom Hood says: .

white, viole very large. violet center,

"Such a blush In the midst of brown was born, Like red poppies grown with corn."



" Hoaryheaded frosts Fall in the fresh lap of the crimson rose." -Midsummer Nights Dream.

OSES.

Loveliest of lovely things are they, On earth that soonest pass away. The rose that lives its little hour Is prized beyond the sculptured flower." -William Cullen Bryant.

THE plants of the Hybrid Perpetual class are entirely hardy. The flowers are of immense size, often five to six inches in diameter, and of the most beautiful colors, from pure white to the darkest shade of crimson. Through their blooming season, in June, they give us a show of brilliant colors unequaled by any other plants. In the spring, cut back all the shoots. or stems, and they will send up new ones, which will make a very strong growth and give abundance of bloom.

Moss Roses are very popular and much admired for their beautiful buds, which are covered with a moss-like texture.

Climbing Roses are perfectly hardy, blooming early in the summer, and when in a rich soil soon cover any arbor or porch. - " The rose

Propt at the cottage door with careful hands, Bursts its green hud, and looks abroad for way." —Thomas Buchanan Read.

We have reduced our long list of Roses, by discarding sorts that were too similar to be of value to the amateur.

We can supply many of the varieties formerly offered by us, but, when kinds are ordered that are not in stock, we must reserve the right to substitute, nnless otherwise directed.

The varieties offered are the best of their respective classes.

For List of Monthly Roses, see Tender Plants.

HYBRID PERPETUAL ROSES.

1-year plants, each, 20 cents, 6 for \$1.00, 12 for \$2.00.

Baron de Bonstetten, beautiful dark velvety erimson; large and fine.

Baron Chaurand, bright maroon, strong grower.

Coquette des Alpes, white, occasionally tinged with pink, flowers in clusters.

Duchess of Albany. A sport from La Frauce, deeper in color, more expanded in form and of larger size. The flowers are deep pink, very large and full, highly perfumed, and in all respects of first quality. The plant is of strong healthy growth and blooms abundantly.

Gen. Jacqueminot, rich crimson-scarlet, very bright and velvety. It produces beautiful buds that are much admired and in great demand. This is, undoubtedly, the most popular Rose in cultivation.

Jules Margottin, deep rose; large and fine. Jean Cherpin, plum color; very fragrant.

La France, silvery rose changing to pink; a most constant bloomer; very fragrant; beautiful both in flower and bud.

La Reine, deep rosy-lilae; free flowering, fine.

Magna Charta, pink, suffused with rose; large, full.

Madame Plantler (Hyb. China), summer bloomer; pure white.

Mad. Nachury, (lark rose; fine flower.

Perfection des Blanches, pure snowy white; free bloomer; flowers large and very fragrant. Prince Camille de Rohan, rich, dark velvety erinson, shading to maroon; very double and sweet.

Paonia, bright clear red, very sweet; one of the finest old varieties.

Rev. J. B. M. Camm, carmine-rose; flowers medium size, very fragrant. Victor Verdier, bright rose, crimson center.

Vick's Caprice, soft sating pink, striped and dashed with white and carmine. The most beautiful garden rose in cultivation.

We offer the following select list in 2-year plants; they are strong, vigorous, and will bloom profusely the first season.

Plants, each 50 cents; per dozen, \$5.00.

Augusta Mle, delieate pink; free blooming.

Beile Normandie, light rose, large and fine.

Baronne Prevost, deep rose; very large and full.

Countesse de Serenye, silvery pink, often mottled.

Comte de Flanders, reddish-purple, shaded carmine.

Caroline de Sansai, flesh color, darker towards the center; large full flowers.

Dr. Marx, rosy earmine, full, extra.

Gen. Jacqueminot, the best erimson.

Jules Margottin, deep rose; large and fine.

Louis Bonaparte, fine deep rose.

La Reine, deep rosy-lilac; free flowering, fine.

Mad. Clert, elear pink; fine.

Madame Plantier (Hyb. China), summer bloomer; pure white. Mlle. Eugene Verdier, beautiful satiny pink; reverse of petals silvery white.

Paul Verdler, fine bright rose.

Sydonie, rose color; medium size, full.

Souvenir du Comte de Cavour, bright erlmson, shaded.

Souvenir de Ducher, rieh, deep crimson; compact.

The set of 18 varieties for \$6.50.



John G. Whittler.

See next page for list of Moss and Climbing Roses.

MOSS ROSES.

1-pear plants, each 20 cents. The set 50 cents.

Bourster de la Riviere, deep red.

Comtesse de Murinais, pale flesh, changing to white.

Henry Martin, dark red.

2-year plants, each 50 cents; per dozen, \$5.00.

Aphells purpurea, rosy-lilae; large and full; very double and fragrant.

Boursier de la Riviere, deep red.

Comtesse de Murinais, pale flesh, changing to white.

Duchesse d'Istrie, bright red; fine form.

Eilz, Rowe, light rose.

Henry Martin, dark red.

Mrs. Wood, deep rose, finged with purple.

Mousseline, white, slightly tinged with pink, changing to pure white as the flower expands.

Raphael, pinkish white.

Salet, light rose, handsome buds, free bloomer.

CLIMBING ROSES.

1-year plants, each 20 cents. The set, 50 cents.

Baltimore Belle, pale blush; nearly white.

Greville, or Seven Sisters, blush and crimson.

Queen of the Prairies, rosy-red; fine.

2-year plants, each 50 cents. The set, \$1,25.

Crimson Boursault, dark rich crimson. Russell's Cottage, dark velvety-crimson. Superba, pink, changing to blash.

For List of Monthly Roses, see Tender Plants.

SUNFLOWER (HELIANTHUS).

"As for * * * valorous sunflowers, we shall never have a garden without them, both for their own sake, and for the sake of old fashioned folks, who used to love them."—Henry Ward Beecher.



In the Helianthus we have beautiful gems that should be in every garden. They are perfectly hardy in this locality, but in colder regions a protection of coarse litter will be required. The plants attain a height of about four feet, and, in their blooming season, which is in August and September, they are nearly covered with bright golden-yellow, donote flowers, about the size of a Dahlia. In fact, at first sight it may be easily taken for a plant of yellow Dahlia. The flowers are very desirable and showy for cutting, remaining bright and fresh for several days.

Helianthus, muitifiorus pienus, petals flat, flowers perfectly formed.

Solici D'Or. The Golden Quilled Sunflower; similar to the above variety, except that the petals of the flower are quilled, like some of our fluest Dahllas.

Plants, each 20 cents; per dozen, \$2.00; or, One plant of each variety for 30 cents.

CHINESE PÆONIES.



CHINESE PÆONIES.

At the roots
Of parony bushes in rose-red heaps,
Or snowy, fallen bloom.
— Jean Ingelow.

The Chinese Preonies are valuable on account of their large size, beautiful coloring and delightful fragrance. They are perfectly hardy, never suffering injury from cold, and will succeed in any ground unless so wet that the water will lie on the surface in the winter and spring. They may be planted either in the autumn or spring, and are transported with greater sufety than most any plant—not one in a hundred failing.

Good roots, each 25 cents; dozen, \$2.50, except as noted.

Pazonla fragrans, one of the best pink varieties.

Double White, 35 cents each.

amabilis lilaceus, ontside petals blush, inner buff, center light pink.

bicolor, rose, shading to white at outer edge.

Brujei, light rose, fine.

Buyckii, outer petals rose, center salmon and rose.

Centripetala, onter petals rose, center sulmon.

Comte de Paris, bright rose; fine.

Duchesse de Nemours, pink and rose, shaded lilac.

Duchesse d'Orleans, violet-rose, center salmon.

elegantissima, outside petals rose, center cream and rose. Fuigida, crimson, flowers very large, 35 cents.

grandiflora nivea, rosy-purple, center salmon.

Madam Morren, onter petals blush, center salmon and rose.

Nivaiet, rose,

officinalis rubra (old fashioned red), crimson, of large size, fragrant, one of the very earliest to bloom, 35 cents.

Perfection, rose, center salmon, marked purple.

Puicherrima, rose.

Reevesll, delicate rose, center fringed.

Roi Guillaume, light rose.

Smitzil, single, color bright crimson with consplcuous yellow center. It is beautiful in the bud form, and splendid for cutting, very fragrant, one of the earliest to bloom.

striata speciosa, pale rose, center nearly white.

Triomphe du Nord, violet and rose.

unicolor grandifiora, onter petals rose, eenter rose salmon,

varlegata plenissima, rose and pink shaded.

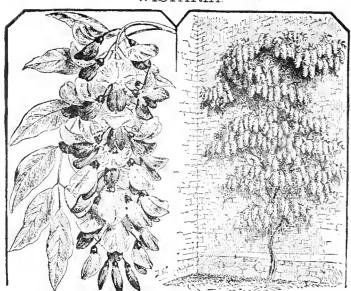
Victoria Modeste, outer petals violet-rose, center cream.

The breath of flowers is far sweeter in the air (where it comes and goes like the warbling of music) than in the hand.—Bacon.

YAM.

The Chinese Yam (Dioscorea Batatas), is a very pretty elimbing vine with clean glossy foliage. It is often called Cinnamon Vine, as the flowers, which are produced in spikes at the base of the leaf, have a delicate, spicy odor.

WISTARIA



The Wistarias are strong and rapid growers, desirable for trellises, porches, etc. When well established they grow twenty feet or more in one season. The flowers are in long racemes, and are produced very freely. A large plant in bloom is a most gorgeous sight.

Wistaria Sinensis, Chinese Wistaria, flowers light purple; each 30



SPIRÆA.

Spirrea prunifolia, a beautiful hardy shrub that blooms in May, The flowers are about half an inch in diameter, double, and pure white, often covering the entire branch. When in bloom, a single branch may be bent so as to form a very perfect, natural wreath of pure white.

Spiræa prunifolia (Bridal Wreath), each 20

WATER LILY.

"Those virgin lilies, all the night Bathing their beauties in the lake, That they may rise more fresh and bright, When their beloved sun's awake."

-Moore, Lalla Rookh.

Nymphæa odorata can be grown in any swampy piece of ground, and even in tubs of water sunk in the ground, or on the surface, and in aquarimms in the house. For ponds, if a soft, muddy bottom, tie the root close to a stone large enough to sink it, and drop it in near the shore in two or three feet of water, as the bloom is much better in shallow water. If a hard bottom, dig a small hole and cover it lightly,



WATER LILY.

For tubs, take any strong barrel, free from oil, tar or salt (molasses barrels are best), saw in two, put in six or eight inches of fine loam, or pone mud, if handy, lay in the roots, being eareful to straighten out the small fibers, and cover two inches deep, fill the tub gently with water and keep full. These tubs should be put in a cellar in the winter, to keep from freezing; fill with water when put away, and they will come out all right in the spring,

"The herries of the brier rose Have lost their rounded pride; The hitter-sweet chrysanthemums Are heavy drooping eyed."-Alice Carey.

YUCCA.

The Yuecas are erect and noble plants, with long, narrow, strong sharp-pointed leaves, with a peculiar tropical aspect. Filamentosa is the hardiest, and will endure the winter in most parts of the country. It sends up a strong flower stem in the middle of the summer, bearing a large spike of whitish flowers,

Yucca fllamentosa, strong 1 year old roots, 30 cents; strong 2 year old roots..... 60

> The flowers are teachers that I love: Their petals I have often read. Their blossoms took to Heaven above, Their roots point to the sleeping dead." -George W. Bungay.

Aromatic plants bestow No spicy fragrance while they grow,

MISCELLANEOUS LIST

But crush'd or trodden to the ground,

Lack of space prevents our giving a full description of the following well-known plants and bulbs: Althæa, beautiful shrubs, blooming early in the fall; double red, and double variegated; each..... Akchia quinata, a single Japanese climber, brown flowers..... Dicentra spectabilis (Bleeding Heart)..... Day Lily, White (Funkia alba), Yeilow (Homerocallis flava), flowers clear canary yellow; 25 very fragrant ... corulca, dark blue, with broad, glossy foliage..... Japonica, light blue, with narrow foliage..... undulata modia picta, flowers lavender, foliage light green, beautifully variegated with white. One of the most beautiful hardy plants in cultivation, without an equal for cemetery planting Dalsy, white or red

BACK TO HIS FIRST LOVE.

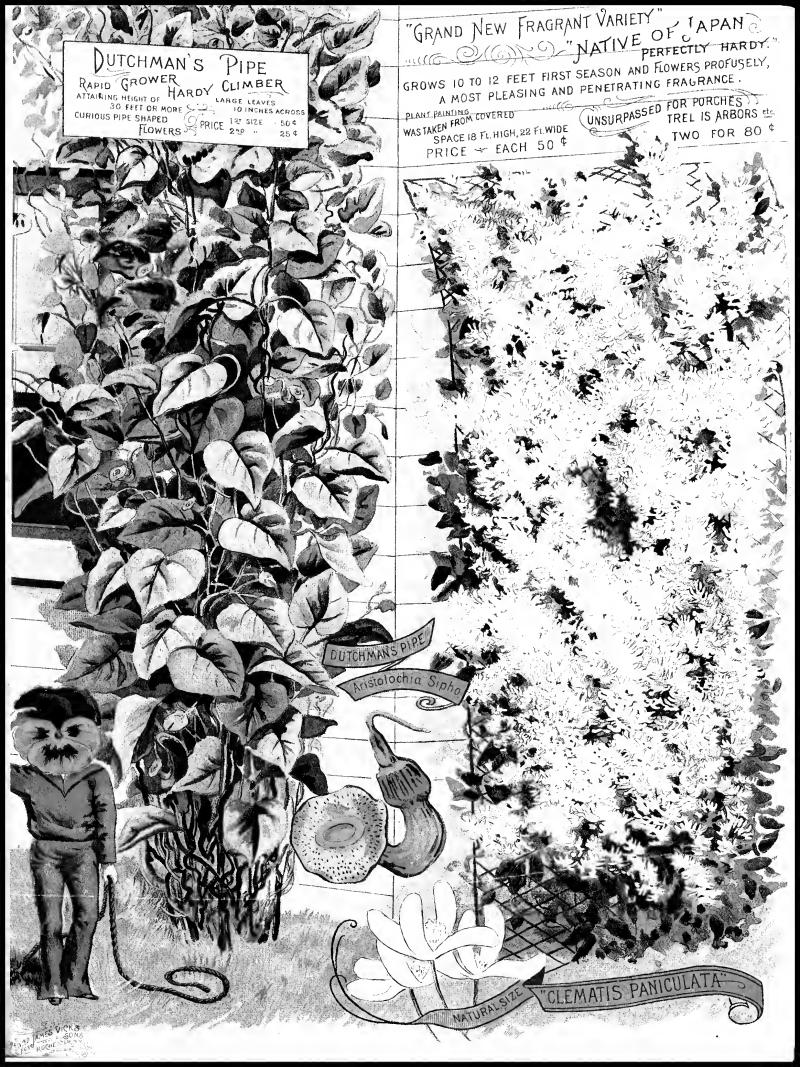
"I was led off by cheap advertising, but I will now return to my first love and once more get reliable seeds and plants.

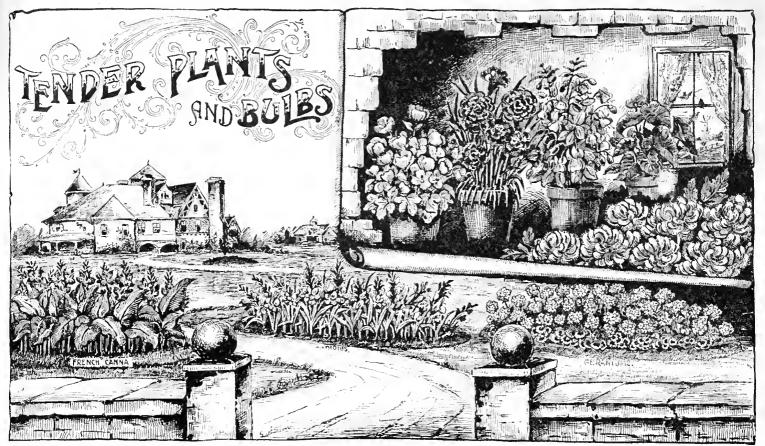
C. P. CHAPMAN, Pittsfield, III.

A	—Goldsmith	١,
	lvy, English, the old popular variety. Plants, each Lllac, Purple White	20 25 25
	Perennial Pea, blooms in clusters, perfectly hardy, very desirable. Color beautiful, clear and pink	20
	Snowball (Viburnum Opulus), a well-known shrub, produces large clusters of snow-white flowers in May	25
	Spiræa Van Houttel, one of the most beautiful shrubs grown; flowers pure white, single	20
	Syringa grandiflora, flowers pure white, frugrant, a very popular shrub.	25
	microphylla, new. A very pretty dwarf variety, handsome and symmetrical in form; flowers pure white	25
	Thrift (Sea Pink), a low-growing evergreen plant, with narrow foliage, flowers light pink, in clusters	15
	Violet, Marle Louise, light blue	20
	Swanley White, new double white	20 5.

CLEAR ACROSS THE CONTINENT.

"Plants received to day in first-class order. Must congratulate you on your packing, as others have repeatedly failed in sending plants so far. Yours are fine, both in specimens and condition. A. J. LADD Portland, Oregon.





"Flowers are like the pleasures of the world."-Cymbeline.

This Department embraces a large number of our most beautiful Bulbs and Plants, as will be observed when we mention that it includes the Gladiolus and Dahlia, the Calla and Canna, the Geranium, Colens, and, indeed, all our Bedding Plants. If the plants cannot be planted on their arrival they should be put into small pots, using a good, light soil, and watered thoroughly, after which shade them and water sparingly until they show signs of growth. At the north the plants and bulbs from this department must be taken up in the autumn.

Plants that are sent by mail have but little soil left on them, and they should receive very careful treatment, especially the first few days after their arrival. If they look wilted, put them in luke-warm water for fifteen or twenty minutes; this will greatly revive them. Those sent by express are generally in such condition as to require larger pots than the ones from which they were removed at the time of shipment. Caladinms, Tuberoses, Callas, Gloxinias and similar plants should, as a rule, be started as soon as received, while Dahlias, Gladioli, &c., should be kept in a cool place until proper time for planting.

ABUTILON.

The Abutileus are often ealled Flowering Maples, because the leaf bears a strong resemblance to the leaf of our Sugar Maple; indeed the whole plant looks somewhat like a dwarfed Maple tree. The Abutilons are very popular on account of their leadthfulness, their cleanly habit and their constant flowering. Plants, 20 cents each; \$2.00 per dozen.

Abutilon, Eclipse, a pretty trailing variety, foliage beautifully marked deep green and yellow; flowers bright yellow with crimson throat.

Golden Fleece, a handsome variety, with large, showy, bright yellow flowers.

New Double, Thompsoni plena, a sport from Thompsoni var., flowers large, full, and perfectly double; color, rich orange, shaded with crimson.

The set for 50 cents.



ACHANIA.

A greenhouse shrub, with scarlet flowers; blooms summer and winter; not subject to insects of any kind. One of the most satisfactory house plants grown.

Achania Malvaviscus, each.....

ALYSSUM

Pretty plants for vases, pots or baskets; flowers very fragrant. Price, 20 cents each.

Alyssum Double White.
variegata, foliage striped;

ALTERNANTHERA

These beautiful plants are among the most showy we have for carpet-bedding, borders, or ribbon lines, and are especially adapted to use in the formation of letters or figures on the lawn. Per hundred, \$10; dozen, \$1.50; each, 15 cents.

Alternanthera aurea nana, foliage bright green and yellow. paronychioides major, bright cyrmine, yellow and green.

AZALEAS.

Azaleas are popular evergreen greenhouse shrnbs, grown principally for cut flowers and decorative purposes. To the florist they are very valuable, and almost indispensable. The flowers are produced in great profusion, of vurious colors, from pure white to dark criuson. There are also striped and double varieties. Plants should be plunged in some shady place through summer.

Azaleas, each, 75 cents to \$_\$1 50

ANTHERICUM.

Anthericum, vittatum variegatum, an elegant house plant with dark green leaves, beautifully bordered with broad stripes of pure white; it throws up long spikes of small starshaped flowers, which are very effective; fine for hanging baskets 20

"In eastern lands they talk in flowers,
And they tell in a garland their loves and eares;
Each blossom that blooms in their garden bowers,
On its leaves a mystic language bears,"

-Percival - The Language of Flowers.

BEGONIA.

This family we divide into three classes: 1st, Tuberous-Rooted; 2d, Flowering varieties; 3d, Rex, or Ornamental-leaved varieties.

TUBEROUS BEGONIAS

The tuberous-rooted Begonias are among the most showy plants we have for pot culture during the summer, as they bloom profusely for a long time. The large size of the flowers and beautiful form of the plant are the admiration of all. Some of



TUBEROUS BEGONIA.

the varieties bear very large drooping flowers, while others have large, erect blossoms. After the tops die down, take up the builts, dry them, and keep them in dry sand in a cool place till spring.

This class of Begonias do fairly well-bedded out, provided they are given a partially shaded situation.

Begonia, tuberous-	
rooted, white, per doz.,	
\$5.00; each	30
Red, per doz., \$2.50, each	25
Rose, per doz., \$2.50; each.	25
Yellow, per dozen, \$2.50;	
each	25
Mixed varieties, per	
dozen, \$2.00; each	20
Double mixed, new	
strain of very fine flowers,	
per dozen, \$5.00, cach	50

FLOWERING BEGONIAS.

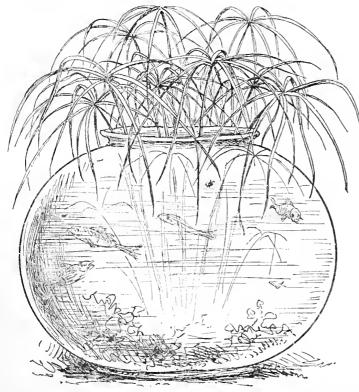
The flowering Begonias are deservedly popular. Their beauty of foliage combined with graceful flowers and free-blooming qualities make them most desirable



FLOWERING BEGONIA

plants. They require about the same temperature as Bouvardias, an average of seventy degrees, to bring them to perfection. As pot plants for summer or winter decorations they have but few equals. Plants, 20 cents each; \$2.00 per dozen, except where noted.

CYPERUS ALTERNIFOLIUS (UMBRELLA PLANT).



A beautiful, easy growing plant that is admirably adapted to many different modes of culture, in fact it seems to thrive in almost any situation and under all circumstances. It makes a very showy plant for pot culture, is one of the best for ferneries, while for the aquarium it is without an equal. Plants, each, 25 cents.

Begonia Bruanti, foliage glossy deep green, of dwarf branching habit; flowers white with a faint pink that; constant bloomer; fine variety.

Gilsoni, new, double. The only double-flowering variety of this class. Flowers large, white, shaded carmine. It is a strong, free grower, and makes a handsome specimen plant; each, 25 cents.

manicata aurea, a beautiful and very distinct variety, with glossy green foliage, which is handsomely marked and blotched with eveam color, shading to canary; flowers pink, lace-like, in long spreading panicles; an elegant and very showy plant; each, 25 cents.

semperflorens gigantea rosea, new, splendid as a pot plant, and also for cut flowers. The leaves are a bright glossy green, large, smooth, and attached closely to the stem. Flowers large and in clusters well above the foliage; color brilliant carmine, very fine.

Sandersonii, scarlet; fine winter bloomer.

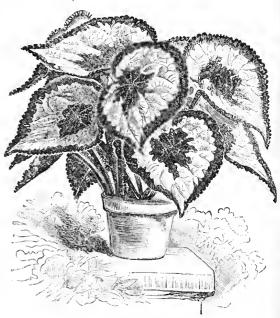
Schmidtii, flowers white, tinted with delicate pink, foliage dark metallic green, always in bloom.

zebrina, foliage dark green with whitish veins; flowers light pink.

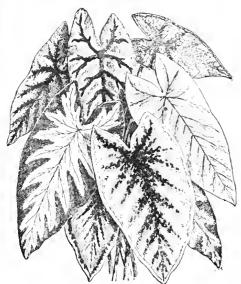
This beautiful set of 7 sorts for \$1,25.

BEGONIA REX

The Rex varieties, of which we have a dozen or more, varying in color and markings. are very effective as pot plants. Care should be taken to keep the foliage free from dust, Occasionally the plants may be showered, but should not be exposed to the sun until the leaves are perfectly dry; 30 cents each.



BEGONIA REX.



CALADIUM (FANCY-FOLLAGED)

CALADIUM

(FANCY-FOLIAGED).

The fancy-foliaged varieties are beautiful plants for summer decoration, They require a high temperature to bring the colors out to perfection. Leaves enriously striped, blotched and spotted with white, crimson and pink. In the fall they die down, and the bulbs should be kept in the pots in a warm place. Each, 30 cents; \$3.00 per



CALADIUM ESCULENTUM.

BOUVARDIA

This is a beautiful class of autumn and winter blooming plants deserving much attention. They are easily raised, and reward the grower with

a profusion of brilliant flowers all winter. By plunging the pots in summer a vigorous growth will be ensured. "Plunging," as gardeners call it, is sinking the pot in the soil as low as the rim. They should be removed to the house or conservatory in September. \$2.00 per dozen; 20 cents each.

Bouvardia Leiantha, dark scarlet.

Davidsonii, white.

Brunetti, light blush,

Bockii, beautiful deep coral-red, base of petals and throat clear white; fine.

President Cleveland, crimson searlet; fine grower.

DOUBLE BOUVARDIA.

The Double Bouvardias are now among the most popular plants for forcing or house culture. The flowers are a trifle larger than those of the single variety, and perfectly double; each, 20 cents.

Bouvardia Alfred Neuner, double white.



EGYPTIAN LILY.



BOUV ... RDIA.

CALLA, OR RICHARDIA

"Is not this lily pure?
What fuller can procure
A white so perfect, spotless clear
As in this flower doth appear?"

-Frances Quarles

Richardia Ethiopica is the well-known Egyptian Lily, or Lily of the Nile, with large white flowers, broad foliage, and it will prosper under very adverse circumstances, if given plenty of water. It is an excellent plant for aquariums. In the spring it may be planted in the garden until the autumn.

Rìchardìa Ethiopica, or

CALADIUM ESCULENTUM

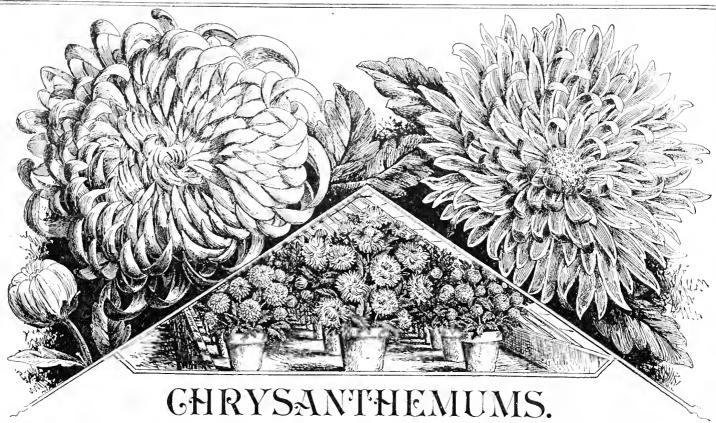
The Caladium esculentum is one of the landsomest of the ornamental-leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in a cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden.

Extra large roots, each, 40 cents. Dozen. \$4.00 2nd size, each, 25 cents. Dozen. 2.50 3rd size, each, 15 cents. Dozen. 1.50

"How bounteous the hand Divine
That scatters perfume wear and far,
Making the summer wind like wine,
And lighting among leaves a star
To light and cheer the wanderer's path,
And lift the soul above the earth."



SPOTTED CALLA.



HE Chrysauthemum is the prettiest and most valuable late autumn and early winter flower. In November and December there is nothing that will make such a cheerful display. They are almost hardy, but not quite, north of New York City. The best way is to get young plants in the spring, and sink the pots in the soil up to the rim, water quite freely, and keep the plants well pinched back until about the middle of August. They should be reported at least twice during the summer. Take them to the house in October and November, and you will have a grand display for two months. The prevailing colors are white, the different tints of yellow (and the yellow colors are exceedingly fine), and different shades of red. Fine plants, 15 cents each; three for 40 cents, six for 75 cents, twelve for \$1.25, except as noted.

"Fair gift of Friendship! and her ever bright And faultless image! welcome now thou art, In thy pure leveliness-thy robes of white

Speaking a moral to the feeling heart; $Unscathed\ by\ heats-by\ wintry\ blasts\ unmoved-$ Thy strength thus tested - and thy charms improved. -Anna Peyre Dinnies.-To a White Chrysauthemum.

Chrysanthemum, Avalanche, flowers very large, full and double; petals broad, pure white, very fine.

Beile Pauline, pure white edged with rose.

Comedie, slivery-blush.

Cullingfordii, rich crimson, shaded scarlet.

Conspicua. New. The large gorgeous flowers of this variety somewhat resemble the type of a Cactus Dahlia. Color, maroonrose, with reverse of petals light purple. When fully open, a bright golden yellow dise is displayed to great advantage.

Duchesse, red, tipped with gold, a flower of great substance. Defiance. New. Flowers of the largest size, well formed and very showy; color beautiful rosy purple, reverse of petals purplish white. Elmer D. Smlth, eardinal red, reverse of petals clear chamois.

Fierenzi, bright yellow, flowers large; on strong footstalks. Frank Wilcox, rich, golden amber, slightly shaded deep bronze. Gloriosum, light lemon, with narrow gracefully curved petals.

Goiden Plume, bright golden yellow, petals long, wavy, and drooping.

Harry E. Widener, large, bright lemon-yellow flowers; in-eurved, forming a large rounded surface, one of the best yellows. Jessica, flowers pure white, large, very early bloomer.

J. C. Vaughan, rich plum crimson, flowers large, good grower. Jean Humphrey. Petals a rich shade of crimson, bordered and flushed with light yellow; reverse, a delicate shade of buff, partly tubular.

Josephine Schlicht, light erimson, with lilae shadings, very light at base of petals; fine.

Kioto, Large, incurved flower; color, deep yellow.

Landon Humphrey, deep rose-color; outer petals tubular; center twisted. A very showy variety.

La Triomphante, white, shaded rose; large and fine.

uclen Baltet, lovely shade of purple; compact reflexed flower. Lilian B. Bird. Flowers of the largest size, full high center, petals tubular and of varying lengths. Color, a beautiful shade of pink.

Louis Boehmer. The Plnk Ostrich Plume, each, 20 ets. Canning, pure white, flowers large and handsome. Mabei Ward, lemon-yellow, reverse of petals silvery pink.

Chrysanthemum, Mrs. Alpheus Hardy. The White Ostrich Plume, each, 20 cents.

Mrs. Thos. A. Edison. A large, incurved flower with compact eenter, one mass of long petals of the most delicate rose-pink; very free, large, and so closely incurved as to resemble a solid ball.

Chrysanthemum, Mrs. D. D. Farson, bright pink, very large, compact flower

Mrs. Irving Clark, pearly-white in the margin, shading to deep rose at center. Mrs. A. Waterer, pale blush; flowers immense size.

Mrs. G. Bullock, pearly white; very large flat flower.

Mattie C. Stewart, new, bright golden yellow, large, petals broad and flat.

Mattie Bruce, new, fine pink, shaded manve; full reflexed flower. Mermald, new, soft, mellow pink, deeper at outer edge, base deep cream.

Puritan, pure white, tinted with lilac; large.

Rohallion. Reflexed, of great depth, petals long and twisted, open at the end; of a beautiful dark chrome yellow; strong grower; oue of the most distinct varieties in cultivation; fine.

Rose Queen, beautiful rose-amaranth color, flowers large, flat and well-formed.

Sam Sloan, pale blush; very large; finely incurved.

Sugar Loaf, new, flowers of varying shades of yellow, often bronze, sometimes perfectly clear.

Swanley Yellow, pure yellow; large reflexed flowers; dwarf. Source d'Or, golden twisted florets, tipped yellowish-brown.

Unique. New. Delicate shade of lavender-pink, with reverse of petals a lighter shade. A flower of great substance, with just enough irregularity in formation to please the most fastidious.

Violet Rose, beautiful combination of violet and rose colors. V. H. Hallock, rosy pearl, of a marked waxy texture. The color deepens toward the center.

Wm. H. Lincoln, beautiful golden yellow, with straight, flat, spreading petals, flowers extra large and full.

Wm. Stevens, bronze-red.

Wootton, flowers very large and of the purest white; a beauty.

In ordering plants state when you wish them shipped.

CANNA

The Canna is a fine foliage plant, making a good bed alone, but particularly desirable as the center of a group of foliage plants for which it is one of the best, growing from three to six Feet. The leaves are somethies two feet in length, of a beautiful green, some varieties viored with red. Roots can be taken united. tinted with red. Roots can be taken up in the antuum and placed in the cellar. No one can fail to be pleased with this plant.

Canna, President Faivre, flowers amaranth-red; Tolinge bronze robusta, a very fine, tall-growing, dark-leaved variety; eight to ten feet high; each... Nouttoni, llowers large; color, rich shade of crimson-scarlet, foliage deep bluish green, very free bloomer..... One plant of each for 50 cents.

FRENCH CANNAS.

The new French Cannas are continuous bloomers, producing large trusses of beautiful showy flowers from early summer until late in autumn. Their great beauty in both flowers and foliage places them foremost in popularity

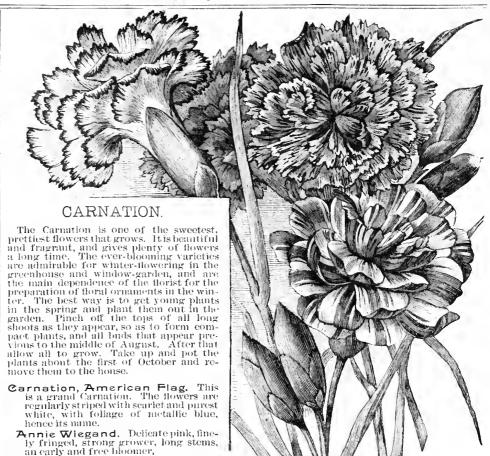


for bedding purposes. For pot culture they are also very desirable, blooming equally as well as when planted in the garden. We offer the best varieties only. See colored plate.

Brilliant. Rich shade Capricleux. Edouard Andre, foliage dark, shaded green, llowers bright carmine, fine General Boulanger, canny yellow; mottled and streaked with crimson; foliage green; beautiful..... Jules Chretien, foliage creet, deep glanens-green, flower spikes long and close, large compact flowers, long petals of a rich purplish-cherry color Lutea splendens, light yellow, deli-eately spotted with crimson; flower spikes very large; foliage green Tonkin, foliage green, flowers large, beautiful clear yellow, spotted carmine in the center in the center...

For \$1.00 purchaser may select varieties from above list to amount of \$1.25, for \$2.00, to amount of \$2.50.

Victor Hugo, foliage deep green with dark border, flowers large, deep red, with round petals....



"Who does not recollect the hours When burning words and praises, Vere lavished on those shining flowers, Buttercups and daisies."—Elva Cook.

Portia, bright searlet; medium size; free bloomer

Snow Bird. Flowers white, fringed, large and very fragrant.

Silver Spray. Flowers pure white, large, perfect, and all produced on long stems, never bursting; a beautiful variety.

Tidal Wave, bright pink; shaded salmon. Wm. Swayne, pure white; early, free bloomer.

Washington, pink and white striped; early, free bloomer. Plants, each, 15c.; 6 for 75c.; 12 for \$1.25.

COLEUS

Carnation ever introduced.

Daybreak. Flowers large, perfectly double; clear bright fresh tint without

Fred. Dorner. Flowers of the largest size, nicely fringed; in color deep searlet; very abundant in bloom.

Golden Gate. This is one of the best pure yellows, full and double.

Gracie Wilder, delicate pink, linely bringed

Grace Fardon, rich deep pink; very free

Grace Hardon, rea deep pank; very free flowering.
Hinzie's White, white; flowers very large, Lizzie McGowan. This grand Carnation is a cross between Hinzie's White and Peter Henderson. It is a splendid grower, producing very large pure white flowers that are beautifully fringed, delightfully fragrant, and all borne on long stiff stems. We are confident that this is the best white Carparitin ever introduced.

shading.

Gracie Tringed.



The Colcus is the best and cheapest orna-The Colons is the best and cheapest ornamental-leaved plant we have for ornamental bedding. A few dozens of these plants will make a bed of which no one will bave any cause to be ashamed. Plants should be set about a foot apart; so when the size of the bed is ascertained, it is easy to figure how many plants are needed of each kind for a row. Each, 15 cents; dozen, \$1.50.

Coleus Charm, yellow, tinged with bronzy-scarlet.

Crimson Velvet, crimson, with black, edge serrated and Coleus Cri lightly bordered with green.

irebrand. New. Maroon, flamed and shaded with brilliant flery red. Firebrand.

H. Slocombe, maroon, edged with gold and yellow. John Goode, a splendid yellow bedding variety, folinge deeply serrated.

Verschaffeltil, velvet-erimson.

If plants are wanted immediately, state the fact when ordered.

DAHLIA

The Dahlia is the grandest antumn flower we have. It is in its glory during September and October, when other flowers are fading, and surrenders only to the Frost King. Put Dahlia tubers in the ground when the season becomes warm, covering the neck some three inches. If many shoots start, thin them out. After flowering, and before hard frosts, take up the plants, remove the tops, dry the bulbs a little, and put in the cellar until spring, when they can be divided and replanted.

Look at them occasionally to see that they are not shriveling from too dry anatmos phere, nor starting the eye early in consequence of too much moisture and warmth. Tubers can be forwarded as soon as danger from frost is passed -- about first of

April. Price, 20 cts, each, and \$2.00 per dox. If the selection is left to us, we will sell bulbs at \$1.75 per doz., and we think we can make a scleelion that will delight any lover of this beautiful flower. Our stock forms the largest and finest collection in the world

A complete list, containing all the leading new and standard varieties of Dahlias, will be sent free on application. SHOW DAILLIAS,

The plants of this class grow tall and have large, showy flowers. Dahlia Ada Tiffin, light peach, tinged with rose.

Colonist, chocolate and fawn.

Criterion, primrose, tipped purple; very pleasing flower. Duke of Connaught, dark crimson, shaded purple; hand-

Emily, blush, sulfused with rose; large, free bloomer Firefly, deep searlet; good; erect with long stems. George Dickson, chestunt-brown, a peculiar color; fine. High Sheriff, very dark, nearly black; standard variety. James Stephens, bright orange-scarlet, new color, very fine. James Vick, intense purplish maroon; full and symmetrical Lady Allington, dark scarlet, tipped white.

Lady Wimborne, deep pink, heavily shaded with rose.

Lottie Eckford, white, striped with purple,

Maggie Soul, blash white, edged with purple; very pretty,

Magician, deep yellow, striped with scarlet; good.

Mlss Browning, clear yellow, tipped with white; beautiful. Mirefield Beauty, beautiful red; perfect flowers

Mrs. Langtry, cream color, beautifully edged with crimson

Oriole, golden ground, striped and tipped with searlet.

Prince Bismarck, fine large purple; msnrpassed,

Robin Adair, peculiar brown shade; thowers line shape.

Ronald, bull; free and fine.

Snow Cloud, pearly white; withstands the sun.

The Pet, dark maroon, tipped with white.

Yellow Standard, yellow.

POMPON, OR BOUQUET.

The unique flowers of this class are always beautiful and perfectly formed. The plant grows tall like the Show Dalilia, but the flowers are much smaller. They are abundant bloomers.

Dahlia Burning Coal, yellow, with intense searlet tip.

Catharine, yellow,

Darkness, almost black.

Eurydice, blush, tipped with purple.

Fashion, light orange.

Fairy Tales, delicate primrose

Isabel, bright orange-searlet; free and effective.

Lady Blanche, small, pure white; line for cutting.

Leila, buff, heavy red tips, interspersed with white petals; sportive.

Little Leopold, deep pink; very fine.

Red Indian, deep coral red.

Sappho, rich maroon, sometimes has a light center; splendid.

large and new." DWARFS, OR BEDDERS.

The Dwarf Dahlias grow only about eighteen inches high, but the flowers are full size

Dahlia Fraulein Hettergot, light and rose; fine dwarf. Goldfinder, golden yellow; good habit and free bloomer.

John Wyatt, crimson-scarlet; large flower. Marguerite Bruant, white; good bedder

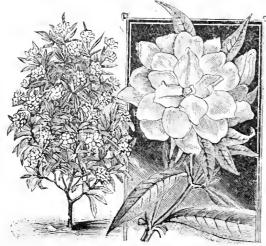
Meta Bartelles, pink, delicate shade.

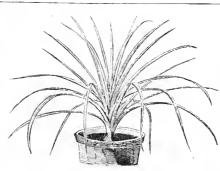
Sambo, dark maroon.

CAPE JASMINE.

A pretty evergreen shrub with double white flowers an inch and a half in diameter and very fragrant.

Cape Jasmine (Gardenia florlea).....30





" If, like the summer flower That blooms, -a fragrant death,-Keen music hath no power To live beyond its breath, Then of this flood of song Let me drink long!"

-Richard Watson Gilder. Unless otherwise requested plant orders will be held till after April 1st.

DRACÆNA INDIVISA

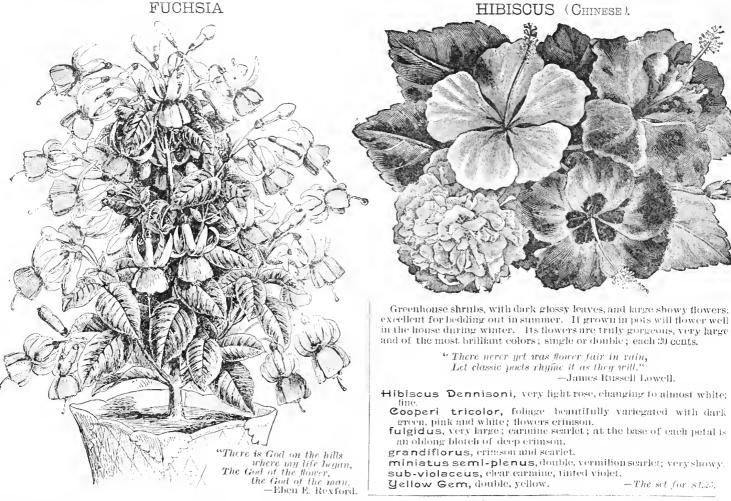
"The garden gle ws with dahlias

-Elliot

A very ornamental plant for pot culture on account of its graceful habit and beautiful recurved foliage. It is the best plant in enlitivation for the center of vases and hanging baskets. Each, 50 cents.



PANSY SAILOR



THE FUCHSIAS, as all know, are elegant flowers, delicate in coloring and exquisitely graceful in form. When in full bloom they are most beautiful objects. The plants we offer are strong and flirifty, grown especially for summer and winter flowering, and may be trained in almost any desired form. The Fuchsia requires a light, rich soil. Sprinkle often and give plenty of light and air. Usually Fuchsias are kept as house plants, and when well trained and cared for there is nothing finer for the purpose. But the plants are capable of developing beautifully and blooming profusely when planted in a bed of rich soil in a somewhat shaded place, such as is afforded at the north or east side of the house, or in the shade of a fence. In planting them out it is best to turn them out of their pots and allow their roots to run. In autumn lift the plants and place in boxes of soil and keep nearly or quite dormant until spring. Winter blooming plants are better to be kept in their pots and treated with special reference to their season of bloom.

SINGLE,

Fuchsia Aurora Superba, sepals salmon, corolla orange.

Black Prince, corolla reddish rose; sepals carmine.

Carl Halt, sepals white, corolla crimson, striped with white; winter-flowering.

Earl of Beaconsfield, rosy carmine, corolla deep carmine; large flower.

Eureka, tube and sepals rosy red, corolla deep purple, flushed with magenta.

Lustrous Improved, tube and sepals white, corolla very brilliant carmine-scarlet.

Miss Bailey, sepals white, corolla pink; a wonderfully free bloomer.

Sunray, violet and crimson; leaves beautifully variegated.

DOUBLE.

Fuchsia Avalanche, corolla violet; sepals crimson.

Berlinerkind, tube and sepals rosy-pink, corolla white, a splendid variety.

Deutscher Kaiser, sepals vosy crimson, covolla violet purple,

Frau EmmaToepfer (StormKing), sepals bright crimson scarlet, corolla shaded same, but well balanced with a profusion of white.

Gigantea. This is a sport from the large flowering variety Phenomenal, and is simiker to it in every respect, except in the coloring of the corolla, which is a beautiful shade of light magenta, with dark crimson veins. A superb sort.

Molesworth, sepals red; nicely recurved; corolla pure white; very large; a promising variety.

Mrs. E. G. Hill, the most perfect double white Fuchsia yet introduced; tube and sepals bright reddish crimson, off-setting the large pure white corolla to great advantage. The plant is of splendid habit, a remarkably free grower, yet compact and symmetrical in form, very free bloomer.

Phenomenal, sepals bright earmine; corolla bright violet-purple; flowers very large.

Rosain's Petrie, tube and sepals, rosyearmine; corolla, pure white. Plant of the finest habit and wonderfully free blooming.

Sapaly Freres, sepals coral red; corolla violet and earmine.

Plants, each 20 cents; 3 for 50 cents; 7 for \$1.00; 12 for \$1.50.

GLOXINIA



Glóxinias are among the hand-omest of our summer blooming greenhouse plants. The flowers are gorgeons, and the foliage Las a soft velvety appearance. Bulbs should be started in the spring, in a warm place. They require partial shade and a liberal supply of water when growing. After blooming, water should be withheld, and the bulbs remain dry through the winter; 25 cents catch.

About April 1st we begin shipping plants to the warmer States and northward as fast as weather will permit.

GERANIUM.

"Your voiceless lips, O flowers, are living preachers; Each cup a pulpit, each leaf a book; Supplying to my fancy numerous teachers From loneliest nook."—Longfellow.

A group of searlet Geraniums is a dazzling sight from June to November. No flowering plants are more grown and certainly none are more suitable for large beds where a mass of bloom is desired. When used in connection with Alfernautheras, Coleus, and other foliage plants, they make an aftractive display.

Heretofore we have offered a long list of Geraniums, but as there is so slight a difference in many of the varieties we have decided that it will be for the best interest of our customers, as well as ourselves, to reduce the list so that it will contain the best varieties only; those retained are the most desirable of their class and color for bedding



Geraniums for Bedding and Pot Culture.

Geranium, Countess of Derby, Silmon and whife, mottled, very bright in the center, flowers large and showy.

Gen. Grant, searlet. This good old sort still retains popularity as a bedder. It has no equal for freedom of bloom and brilliancy of color.

Gloire Poitevine, plant of splendid habit, free blooming, truss and flowers of the largest size, color brilliant poppy, red with a large white eye.

King Olga, rich deep pink; base of petals white, truss large and perfect.

Marguerite de Layre, a strong, free grower, producing large trusses of well-formed, pure white flowers.

Mrs. James Vick, salmon, shading to nearly white, without an equal for winter.

Mrs. Hamilton, very soft pink, a charming shade, strong grower of good habit, tine.

Mad. Cornell, a grand Geranium, flowers of immense size and very perfect form, color delicate rose; splendid habit.

Mad. du Luc, the best rose-colored variety of the Bruant type; upper petals dis-tinetly marked with white; individual flor-ets very large and perfect, splendid.

Queen of the Whites improved, this is one of the finest white Germiums ever sent ont; truss and individual flowers large and well formed, petals very broad and perfect, of good growth and habit. Sam Sloan, fine deep erimson; blooms

very freely and is an excellent bedder. White Wings, a beautiful white variety,

flowers large and well formed.

DOUBLE.

The double Geraniums have been wonderfully improved the past few years. We now have them of as many and as beautiful colors as the single. For bedding they are about as good every way as the single, and for cutting much better.

Beaute Poitevine. Flowers semidouble; very large, and in immense clusters; eolor, brilliant salmon, very clear at the outer edge; splendid either for bedding or not culture.

Bruant, vermilion-scarlet, splendid bedder. Bishop Wood, searlet and violet, splendid bedder.

California, beautiful bright yellowish-orange, flowers very large. Contable, of good habit, with fine large flowers of a beautiful bright rose color;

trongs of the state of the stat Ernest

Hoff Beach, rich amaranth-purple, flowers large.

Mrs. Langtry, pure white; truss and flowers very large.

Mad. Thibeaut, flowers very large, deep rose-pink, upper petals marked with white.

And. La Comtesse de Baume, beautiful rose color; oue of the best for bedding or pot culture.

Paul Arene. Flowers a beautiful ereamy-white tint; large and well formed. Plant of dwarf habit.

S. A. Nutt, very dark crimson; a splendid variety for bedding.

Simon Deiaux, eherry-purple; dwarf. SWEET-SCENTED.

Rose. This is the most desirable of the scented varieties.

IVY-LEAF.

This class has thick, glossy, and Ivy-shaped leaves, and the plants are of a drooping habit. They are excellent for taskets, vases and house plants, and not undesirable for beds on the lawn,

L'Elegante, white margin, tinged with pink; flowers white.

DOUBLE.

Jeanne d'Arc, white suffused with lav-

ender,
Mad. Thibaut, flowers very double, full
and perfect in form; color rich deep pink; a strong, free grower.

Souv. de Chas. Turner, deep pink, feathered maroon in upper petals.

TRICOLOR-LEAVES FINELY VARIEGATED.

These Germiums are much prized for the beauty of their foliage, which is very hundsome. For culture in the honse or conservatory, they are among the best.

Mrs. Pollock, flowers searlet; 30 cents.

BRONZE.

The leaves of the Bronze Geranium show the most beautiful shades of yellow and bronze or brownish red, the foliage being as landsome as

Bronze Prince, flowers sulmon, foliage very showy

Marshal McMahon, very vigorous,

SILVER-LEAF - LEAVES WHITE MARGINED.

This class have marked leaves, the center being bright green, and the edges silvery-white. They are elegant plants for the house in winter, the foliage making a beautiful contrast.

Bijou.

Mad. Salleroi.

Plants can be safely shipped nearly every week of the year. State when plants are wanted.

GLADIOLUS.

*They know the time to go!

The fairy clocks strike their inaudible hour In field and woodland, and each punctual flower Bows at the signal an obedient head

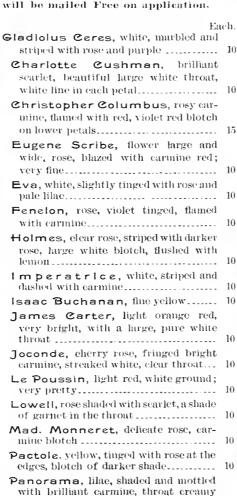
- And hastens to bed,"- Susan Coolidge.

The Gladiolus is the most beautiful of the Summer or Tender Buibs, with tall spikes of tlowers, some two feet or more in height, often several from the same bulb. The flowers are of almost every desirable color, brilliant scarlet, criuson, creamy white, striped, blotched and spotted in the most enrious manner. Set the bulbs from six to nine inches apart, and about four inches deep. Plant from middle of April

to first of June. In the fall, before hard frosts, take up the bulbs, remove the tops, leave to dry in the air for a few days, and store in some cool place, secure from frost until spring.



list of our grand named collection, embracing all the latest French novelties, will be mailed Free on application.



white, white line in each petal 15

eurrant red...... 10

Romulus, brilliant dark red, largo

Triumphans, eherry, shading off to



GLADIOLUS.

UNNAMED GLADIOLUS. Choice American Seedlings.

These seedlings are grown from seed that is saved from the best named varieties only. They will grow vigorously and produce as large

spikes of beautiful flowers as the named sorts.

All Colors mixed, 20 bulbs for 50 cents; \$2.00 per 100.

Light Colors and White, all shades, 14 bulbs for 50 cents; \$3.00 per 100.

Red and Scarlet, all shades, 16 bulbs for 50 cents.

Not less than 50 at 100 rates.

HELIOTROPE.



HELIOTROPE

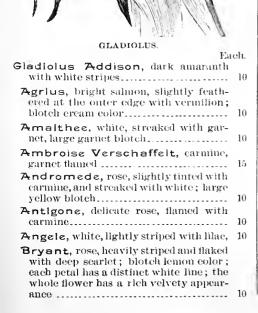
"A strange invisible perfume hits the sense."

— Antony & Cleopatra,

Well-known plants grown for their exquisite fragrance. They make landsome plants when bedded out, blooming moderately through the summer, and in great profusion early in the fall. They are also very desirable for house enline, a single plant filling a whole room with perfume. Each, 15 cents; \$1.50 per dozen.

Hellotrope Albert Delaux, foliage lrregularly blotched and marked yellowishgreen; flowers light lavender, novel, and pretty.

Lady Cook, dark violet.
Louise Delaux, rose, shaded with violet.
Mrs. Lewington, very dark purple.
Mad. de Blonay, pure white.



HYDRANGEA.

The Hydrangeas are well-known, favorite plants, Hardy south of Philadelphia; grown at the North as pot plants; their immense heads of bloom make them very conspicuous. A little shade and plenty of water seem to meet all their needs. They can be put in the cellar in the fall. For decorative plants on a piazza or porch, few plants are more desirable. One each side of the front door steps makes a line effect. Each, 25 cents.

Hydrangea Otaksa, a Japanese variety, with immense heads of pule pink bloom.

Hortensia, the old variety, producing bright pink flowers,

stellata fimbriata, the flowers are formed in large trusses, and are of the purest white; each floret is neatly fringed, and has a distinct crimson spot in the center; a very beautiful variety.

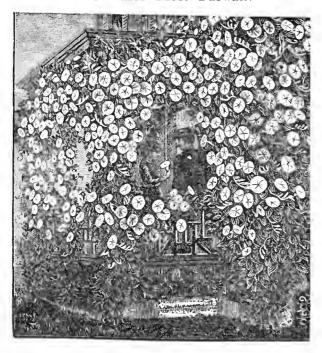
Thomas Hogg, a pure white variety, with heads as large as the pink; a most beautiful and ornumental shrub.

One plant of each variety for 80 cents.

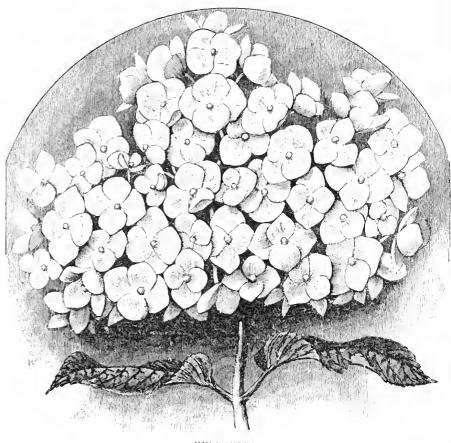
"The harebells nod as she passes by,
The violet lifts its calm blue eye,
The ferns bend lowly her steps to greet,
And the mosses creep to her duncing feet."

—Julia C. R. Dorr.

IPOMŒA (Moon Flower)



Ipomora Bona Nox. This variety of Ipomora is offered under various names, such as Good Night, Evening Glory, and the like. But, even though it were given a hundred other synonyms, it would be the same grand and beautiful climber that produces its large, pure white, sweet-scented flowers in the night, and on dull cloudy days. It is one of our strongest, most vigorous climbers, attaining a height of twenty-five feet in one season, with ordinary culture. To keep over winter, the plant must be cut back, the roots potted, and kept in a growing condition. Per dozen, \$1.50; each, 15 cents.



HYDRANGEA.

"It was a jasmine bower, all bestrown with

golden moss."

-- Keats, Endymion-

The Jasmine is a favorite greenhouse or house plant everywhere. It is the idol of the poets and one of the sweetest flowers; 25 cents each.

Jasminum grandiflorum, Toliage fine; flowers white, starshaped, and very fragrant, blooming from November till May, easy of culture.

JASMINE



LANTANA.

The Lantana is of easy enture; its free-flowering qualities make it very desirable for the house. The plants can be trained in almost any desired form, and are almost continuously in bloom. The flowers are small, in clusters; 20 cents each; \$2.00 per dozen.

Lantana Colibri, intense deep crimson.

Marcella, like rose, changing to yellow.

LEMON VERBENA

A shrubby plant, with light green, fragrant leaves, and like tinted flowers. An old favorite



PANSY SAILOR.

OLEANDER.

An old-fashioned shrub grown as a pot plant, with a profusion of large flowers.

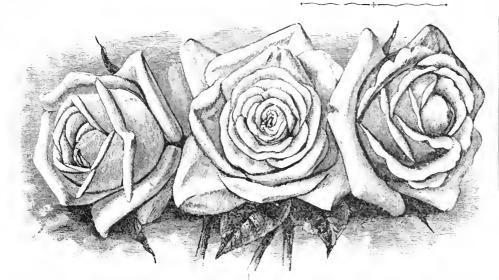
Oleander, Madonna grandiflora, white; double 50
Double Pink, the old variety 20

"When a rose is too haughty for Heaven's dew She becometh a spider's gray lair," —Theudobach.

Monthly Roses.

"Resplendent rose! to thee we'll sing; Whose breath perfumes th' Olympian

-Tom Moore.



In the list below we give the ever-blooming class, comprising Teas, Noisettes, Chinas and Bourbons. Even so far North as this they give us better satisfaction than any other class of Roses, - first, on account of their free-blooming qualities; then their exquisite fragrance and delicate colors. Some are almost hardy here, and do well if slightly protected with leaves or straw, while a little further south they stand the winters with no protection whatever. If the plants are taken up in the fall and trimmed back, and put in earth in a box, in a cool cellar, with just water enough to keep them from shriveling, they will come out fresh in the spring, and start into bloom in a very short time. All Roses delight in a rich soil,

For List of Hardy Roses, see page 63.

MONTHLY ROSES. - Fine strong plants, 15 cents each; \$1.50 per dozen; \$10.00 per hundred; 25 plants at hundred rates; except where noted. Italic letters are as follows to indicate classes: t, Tea; cl. t, Chimbing Tea; c, China; b. Bourbon; n. Noisette.

Rose, Charles Rovolli, carmine-rose; flowers large. t.

Dr. Griff, coppery-yellow, with a rosy rellex, back of petals shaded China rose. The outer petals are large, round, and shellshaped, and enclose a mass of shorter petals that are very brilliant in color; free bloomer. t.

Duchesse Marie Salviati, chrome orange shaded with delicate flesh color; frequently the flowers have no shading; habit strong and vigorous, t.

Francisca Kruger, coppery-yellow, studed with peach; llowers large, full, and well formed, t.

Hermosa, pink; always a favorite. b.

Joseph Metral, flowers dark magenta red, changing to cherry red, large and full, of vigorous growth. t.

Lady Castlereagh, soft rosy-yellow, with rose color predominating on the outer margins of the petals. A most continuous and late bloomer; flowers very large, full, beautifully formed and always opening well; growth vigorous. t.

Mad. Scipion Cochet, eenter of flower deep yellow, shading to white at outer edge, edge of petals delicately edged with rose; flowers of good size and splendid form. t.

Rose, Mad. de Watteville, ereamywhite, shading to bright salmon, outer edge of petals bright rose; very fine. t.

Marechal Niel, yellow, tea-scented. n. Marquise de Vivens, edge of outer petals bright carmine, center and base of petals creamy yellow; flowers large, full and sweet. t.

May Rivers, creamy white, shading to pink, center bright apricot color; flowers full, well formed. t. Princess Hohenzollern, col-

center; a very strong, vigorous grower, with benutil'ul foliage, t.

Princess de Sagan, dark velvety erimson, shaded purple, with amaranth center; flowers large, finely enpped and highly scented; very free bloomer. t.

Sombreuil, creamy-white often tinged with pink, t,

White Bon Silene, pale lemonfine, t_i

Waban, This superb variety is a sport from Catharine Mermet; the most popular of all winter-flowering Roses. The flowers are of a rich, bright pink, several shades darker than those of its parent, and of larger size; beautiful in the bud form and exquisitely Trangant, t.

The red rose cries, "She is near, she is near;" And the white rose weeps, "She is late; The larkspur listens, "Thear, Thear;" And the lify whispers, "I wait," -Tennyson.

"Two Roses on one slender spray In sweet communion grew; Together hailed the morning ray And drank the evening dew." -Montgomery.

"Rose of the Garden! such is woman's lot,-Worshipp'd when blooming -When she fades, forgot." -Moore.

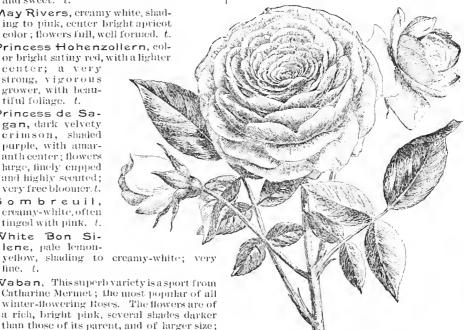
POLYANTHA ROSES.

This class is a distinct one. For many purposes its varieties are excellent. They are continuously in bloom; desirable for house culture. The flowers are produced in clusters, and although not large, are very perfect and handsomely formed. They are also excellent for hedding out, producing a profusion of bloom, and requiring but slight protection for winter; per dozen, \$1.50; cach, 15 cents.

> " I would be a bec. and would woo' a young Rose, Till its own fragrant heart it should freely unclose."

> > - Eben, E. Rexford,

Rose, Clothilde Soupert, (Tea Polyantha.) This new Rose is the result of hybridizing the Tea Rose Mine. Damaizin with the Polyantha Mignonette, which gives this new variety the strong growth of the Tea class, added to the profuse flowering habit of the Polyantha. The flowers are of medium size, very double and beautifully formed; oval at first but flattening as they expand. The color is a pearty-white at outer edge, shading to a center of rosy-



CLOTHILDE SOUPERT.

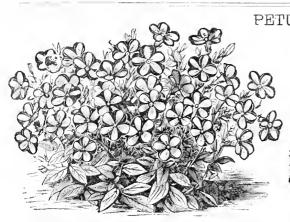
pink, sometimes varying in color to nearly pure white. Very fragrant, and a constant bloomer; a superb variety.

Little White Pet, very light pink or blush on opening, but changes to pure white; splendid for bedding or planting in the cemetery; perfectly hardy.

Mignonette, rose, changing to blush; clusters very farge; flowers small and delicate.

This beautiful set of Polgantha Roses, 40 cents.

For List of Hardy Roses see page 63.



" Petunias are fair, the day-lily rare, The bud o' the rose as sweet as it's bonnie."

Few plants give better satisfaction where a mass of flowers is desired than the Petunia, especially the single varieties. They flower from the time they are planted in spring, until killed by frost. The double varieties are also excellent for bedding, but they do not produce their flowers in such wonderful profusion as the single kinds do. For pot culture they are among the most desirable plants we have. The flowers are beautiful, many of the varieties showing blooms that are us large and handsomely formed as the Camellia, A well grown plant is always in bloom.

Petunia, Double, per dozen, \$2.00; 20 cents each. Single, per dozen, \$1.50; 15 cents each.



DOUBLE PETUNIA.



A charming basket plant, with eylindrical leaves and pretty star-slaped, yellow flowers, blooming almost constantly, Halat drooping, and should be always grown in a hanging pof, basket, or on a bracket. Its foliage is fleshy, like that of the Mesembryanthemum, but delicate and graceful, and makes

Othonna crassifolia,

Two for 25 cents,



TUBEROSE.

The Tuberose is a beautiful, pure white, wax-like, very sweet-scented, donble flower, growing on tall stems, each stem bearing a dozen or more flowers. In cold latitudes, obtain tubers early, plant them in boxes of earth, aud keep in a warm place in the house; when warm weather, transplant to the garden. Those who want this beautiful flower in early winter, can plant a few bulbs in pots in July or August. sink them to the rim in earth in the garden. where they can remain until the cool nights of antunn, then remove to the house. Our Tuberoses are all of our own growing, and splendid

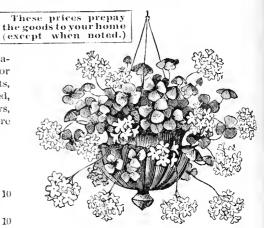
New Dwarf Tuberose "Pearl," per dozen, 75 cents; half-

> "The tuberose, with her silvery light, That in the gardens of Malay, Is called the Mistress of the Night, So like a bride, scented and bright: She comes out when the sun's away."

Ever blooming varieties, excellent for pofs and baskets, leaves three-parted, tlowers in emsters, half an inch or more in diameter.

Oxalis floribunda alba, per dozen, \$1.00; each.....

rosea, per doz. \$1.00; each 10



a rapid growth,

OXALIS.

SALVIA.

A beautiful, rapid-growing climber; excellent for screens or verandas; in fact for the or vermidas; in fact for the latter it has no equal. Fine also for the house in winter. This plant, though so slender in appearance, makes a wonderful growth, forming a mass of foliage that will entirely cover a window or screen in a short time,

SALVIA

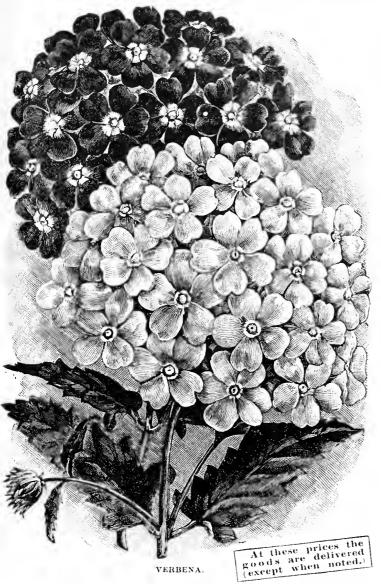
(FLOWERING SAGE).

No plant grown gives us such a brilliant display of flowers in the autumn as the Salvia. Splendid for pot culture in the house; 20 cents

Salvia spiendens, the old scarlet variety.

Three for 50 cents; seven, enough for a very showy bed.

PILOGYNE



VERBENA.

In the following list we offer a choice selection of the finest NEW VERBENAS in the world. The individual flowers are of the largest size, often measuring an INCH IN DIAMETER. The trusses of these new varieties are also enormous, being nearly double the size of the older sorts,

No flowering plant will give better satisfaction for bedding out than the Verbena. It commences to flower and spread from the first day the plants are set until late in the autumn, every day becoming better and more handsome. A healthy plant will cover a space 3 feet in diameter.

Verbena Alpha, deep purple.

Cavalier, crushed strawberry.

Cameo, beautiful pink, with distinct yellow eye.

Cenotaph, clear white.

Hector, bright scarlet, large white eye.

Jockey, bright crimson.

Lydia, purplish-magenta, white eye, fine. Magic, white, striped and blotched with blue.

Modiste, a beautiful shade of heliotrope. Novice, fiery scarlet.

Olio, white, striped and flaked with searlet. Topsy, black, large white eye.



TIGRIDIA. PANSY SAILOR.

The flowers of Tigridia are about four inches in diameter. Set about the middle of May, and take them up in October, dry for a few weeks in the air, and pack away in dry sand or sawdust, free from frost.

Tigridia conchiflora, yellow and orange, with dark spots; 75 ets. per doz.; each 10 pavonia, red, erimson spots; 75 ets. per doz.; each 10

grandifiora alba, a beautiful variety, with large showy white flowers, marked at the base of each division with spots of a reddish brown color, on yellow ground; \$1.50 per doz.; each 15

The set, one each, 25 cents.



TIGRIDIA.

"Farewell my flowers," I said,
The sweet Rose as I passed
Blushed to its core, its last
Warm tear the Lily shed,
The Violet hid its head
Among its leaves, and sighed.—Dora Greenwell.

MISCELLANEOUS LIST.

Amaryilis Johnsoni, an elegant pot plant, with erimson flow-	
ers five inches in diameter; each petal striped with white.	
Flower stalk two feet high, with clusters of three to five blooms;	
bulbs, each	75
formosissima (Jacobean Lily), flowers dark crimson; 8	
to 10 inches high. The bulbs are dormant during the winter	25
Atamasco alba, flowers upright, with broad petals, pure white; each	15
Achyranthes (plants with beautiful showy foliage for bedding).	113
Lindeni, leaves dark blood red	15
۾sti, leaves large, green and yellow.	15
Camellias, fine plants, best assortment of colors; each 75 ets. to 1	
Cuphea platycentra (Gigar Plant), tube of flowers sear-	00
let, lip white and bluck	15
Cyclamen Persicum. The Cyclamen is particularly adapted	1.7
to window culture, it blooms abundantly and for a long time	
in the winter and spring. The flowers are borne on long stems	
	25
	25
	25
Feverfew Little Gem, a new dwarf variety, growing only	
from eight to twelve inches in height. The flowers are large and	
of the purest white	15
Ficus elastica, or Rubber Tree, with thick, shining, leath-	
ery leaves, ten inches long by three wide; an excellent and showy	
pot plant	50
Madelra Vine, a beautiful elimber, flowers white, small, in long	
	10
Unless stated when plants are wanted they	will

Oxalis laslandra, this Oxalis is one of the prettiest plants we are acquainted with for borders of beds, edgings of walks, etc.;	
bulbs, per doz., 10 cents; per hundred. Deppii, another excellent Oxalis for summer borders and edgings. It bears but few flowers, but the leaves are handsome enough to compensate for the lack of flowers; per pint, 50 cents; per half pint, 25 cents; per dozen	50 10
One pint is sufficient for fifty feet of row,	
Pilea serpyllifolia (Artillery Plant), with very small pinkish-white flowers. When the flowers are ready to expand,	
the least moisture causes them to burst.	20
Riving humilis, a beautiful little not about with recomes of	20
small write nowers, torrowed by scarlet berries	20
Smilax, a popular and well-known climber, with beautiful foliage of a dark glossy green, used largely with cut flowers, particularly wreaths, etc. An excellent plant for parlor or window culture	15
Tritoma Uvaria, flower stems grow from four to floo foot in	19
height, surmounted by a spike of curious red and orange flowers.	
a root in length	20
Tradescantia Zebrina (Wandering Jew), a beautiful	
plant for hanging baskets, vases, or house culture, will endure hardships better than almost any other plant. Foliage dark	
green, with a silvery stripe.	20
Veronica Blue Gem, dwarf, flowers light blue, in spikes three to four inches long	20
variegata, foliage margined with white	20
Vinca (Periwinkle,) Harrisonii, center of leaves marked	
with light greeu	20
major variegata, a rapid grower; leaves glossy green, mar-	

gined with white.... be shipped about April 1st, weather permitting.

VEGETABLES.

Apart from Thee we plant in vai.
The root and sow the seed;
Thy early and Thy later rain,
Thy sun and dew we need."
—John G. Whittier

UR VEGETABLE DEPARTMENT embraces almost every article of value known. We have excluded everything our experience has proved unworthy of culture, as also some untried and not very promising kinds. As fast as new vegetables establish their good character we add them to our list, but exercise our usual caution in introducing new candidates for public favor, submitting all to thorough trials on our grounds. Excepthing is tested before being packed, so that we know that all will grow if treated well.

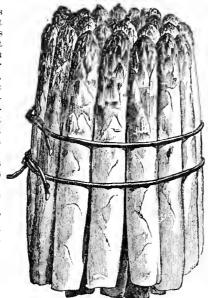
TICH OF OUR VEGETABLE SEED, and the most important, are grown upon our seed farms; other kinds we obtain of the most reliable and responsible growers in England, France, Germany, and other countries, and we have no hesitation in saying that altogether our Vegetable Seeds are not excelled, if equaled, by any collection in the world. We have endeavored to describe the different kinds so that their character and value may be understood, with such simple directions for culture, as with little care will ensure success.

The list of Vegetable Seeds is constantly increasing, and many of our customers are at a loss to know which is the best and most profitable to plant. We have, therefore, adopted the plan this year of describing in full all of those which we can conscientiously recommend, and of giving simply the names of other well-known varieties in condensed form. No mistake can be made in using those which we describe, as they have been tried and found of permanent value.

Any novelties or specialties in Vegetable Seeds offered by all reliable seed houses, not listed here, can be included in our customers' orders, and we will furnish the same at regular advertised prices.

ASPARAGUS.

To grow Asparagus plants from seed, sow in drills, about one inch deep, and the rows wide enough apart to admit of heeing about a foot. An onuce of seed is sufficient for a drill thirty feet in length, Keep the soil mellow and free from weeds during the snmmer, and in the fall or succeedlng spring the plants may be set out in beds, about a foot apart each way. The beds should be narrow, so as to permit of cutting to the center. Set plants about a foot apart, and crowns four inches below the surface, and spread the roots. Before winter, cover the transplanted beds with about four inches of manure. Salt is an excellent manure for Asparagus. Sow a little on the surface in the spring, and it will keep down the weeds. By purchasing plants, a year at least of time is saved. The young tops may be cut for the table the second summer, but not very freely until the third.



ASPARAGUS.

Asparagus, Vick's Mammoth, per oz., 25 eents		10
Conover's Colossal, large, and of rapid growth; per	1b., 50	
cents; per oz., 10 cents		5
Roots = \begin{cases} 1 year, by mail, per 100, prepaid 2 years, by mail, per 100, prepaid 2 years, by express, per 100, not prepaid	\$1	25
ROOTS - 42 years, by mail, per 100, prepaid.		50
(2 years, by express, per 100, not prepaid	1	50



BROCOLI.

Brocoli resembles the Cauliflower: indeed, it is hardly possible to distinguish the difference. Brocoli, however, is the most hardy, and in many sections of our country would not suffer in winter, but it dislikes severe summer heat more than cold; and to succeed, it would be necessary to grow late plants, and set them out after the extreme heat of summer is past. Treated in this way we do not know why we cannot have Brocoli.

Brocoll Purple Cape, one of the hardiest and most popular varieties, and the most certain to form a good head; the earliest of the purple varieties; per lb., \$5.00; oz., 45 cents.

Southampton, fine, hardy, large, yellow variety—one of the old popular sorts, like Portsmonth, Sulphur, etc.; per lb., \$3.00; oz., 30 cents.

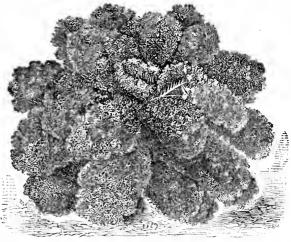
ARTICHOKE.

The Jerusalem Artichoke is a wonderfully hardy and productive plant, yielding roots in immense quantities. They are like potatoes in appearance, and if we had no potatoes would not make a bad substitute. It is good for all stock and is not bad for the table. Plant the tubers like potatoes, and euongh is usually left to seed the ground for the next crop. There is another Artichoke, very little grown in America, the Globe Artichoke. The portion used is the flower-head in an undeveloped state,

Artichoke, Jerusalem, per bushel, \$2.00; per peck, 75 cents, by freight or express, charges not prepaid; per quart, by mail or express, prepaid.

Green Globe, seed per lb., \$3.00; per oz., 30 cents; per packet.. 10

BORECOLE, OR KALE.



The Kales are more hardy than the Cabbage, and will endure considerable frost without injury. When cut frozen, they are immediately placed in cold water. They do not form heads like Cabbage, but form abundance of pretty, early leaves, that are very ornamental and highly prized. The Kale furnishes abundant food for the cottagers of Europe, and when well grown and properly prepared is good enough for any one. Calture same as for Cabbage.

BEANS.

EANS like a dry and rather light soil, though they will do well in any garden soil if not planted too early in the spring. Dwarfs are earliest and most hardy, as a general rule. In garden culture Beans are generally planted in rows eighteen inches apart, and three inches apart in the row; in field culture, in drills, so as to cultivate with horse one way. Running Beans are planted in hills two or three feet apart.

DWARF WAX BEANS.

Beans, New Prolific German Wax, an improvement on the old Wax or Butter, having	
longer, rounder, straighter pods, and being much more prolific; per quart, 50 cents	10
Black-Eyed Wax, very early, very tender, and	10
of excellent quality; per quart, 50 cents	10
Bean, of golden wax color, and excellent quality;	
per quart, 45 cents	
Wardwell's Kidney Wax, extra early; long,	
flat, waxy pods; remarkably free from rust; per	10
quart, 45 cents	10
count of its enormous size. The pods are of a rich	
golden color, eight or nine inches in length, with	
the thickness of a man's funger, nearly all solid	
pulp, and absolutely stringless. Enormously pro-	
ductive; per quart, 75 cents	15
Flageolet Wax, Ivory Pod Wax,	
Mont d'Or Wax, Crystal White Wax.	
Each 45 cents per quart; 10 cents per package.	

GREEN POD DWARF SNAP BEANS.

Extra Early Red Valentine, early and tender for String Beans; per quart, 40 cents..... Long Yellow Six Weeks, one of the best green-podded varieties. Early, tender, stringless; per quart, 40 cents..... Early Mohawk, an early, hardy, productive String Bean; per quart, 40 eents..... Extra Early Refugee. This new variety has all the good qualities of the well-known Refugee, with the advantage of being ready for use ten days earlier; per quart, 50 cents Miller's Round Yellow, Broad Windsor. Dwarf Horticultural, Emperor William, White Kidney or Royal Dwarf, Boston Small Pea. Refugee, White Marrow,

Each, 40 cents per quart; 10 cents per package. POLE, OR RUNNING BEANS.

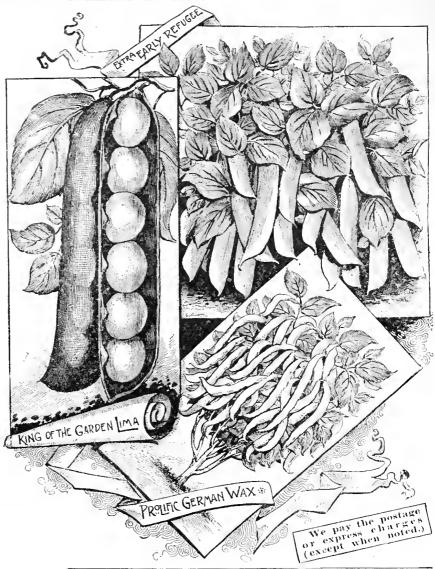
Early Golden Cluster Wax. A very vigorous and productive variety; pods long, flat, very white, tender, and of good quality; the earliest of the Pole Beans; per quart, 80 cents..... Extra Early Lima does not differ materially from the common sorts, except in earliness; in this it has the advantage of from ten days to two weeks; per quart, 60 cents.
"King of the Garden" Lima Bean is a very vigorous grower, requiring but two vines to each pole. They set their pods early at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Many of the pods measure from five to eight inches and contain five, six, and seven perfect formed Beans to the pod, of superior edible quality, unexcelled by any that has come to our notice during a practical experience in Bean culture of twenty years; per quart, 60 cents. Dreer's Improved Lima, earlier and more productive than the old sort, though the seeds are smaller; per quart, 60 cents.... Glant Wax, thick, fleshy, creamy-yellow, waxy-looking pods, tender and excellent as a Snap Bean; productive, keeping in bearing a long time; seeds red; per quart, 65 cents...... 10 Large White Lima,

Small Lima or Sieva, London Horticultural or Speckled Cramberry, Southern Prolific, Crease Back, Each, 50 cents per quart; 10 cents per package.

DWARF BUSH LIMA BEANS.

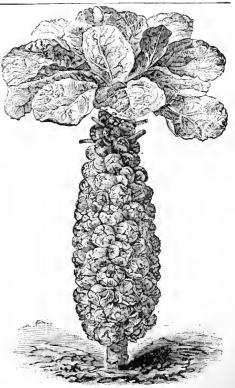
Burpee's and Dreer's, 15 cents each. Henderson's, 10 cents.

For full particulars, see Novelty Pages.



BRUSSELS SPROUTS.

The culture for Brussels Spronts is the same as for Cabbage. If early plants are raised in a hot-bed, they will perfect themselves in September, in the north, and a later sowing should be made in the open ground, that will be in perfection about the time winter commences. These should be taken up and placed in a cool cellar, with the roots in earth where they will remain fit for use during the winter. Where the winters are not very severe they may remain in the open ground, to be cut as needed; per 1b., \$1.75; per oz., 15 cents; per packet, 5 cents.



These prices prepay the goods to your home the goods to your hoted.)

ECLIPSE BEET.

MAMMOTH LONG RED MANGEL WURTZEL.

The Beet is a valuable vegetable, both for the table and for stock. If seed is sown pretty thickly in drills in the early spring the plants can be thinned out and prepared for the table, like Spinach, as soon as they become a few inches in height, for a month or more until the roots become as large as Radishes, both roots and leaves being excellent. When a little larger, the roots can be cooked alone, and in this way are used until winter, when those remaining should be stored away in a cold cellar, or pit, covered with earth. In this way they will keep till spring.

For Beets, the soil should be rich, mellow, and deep. Plant in drills, about two inches deep and the rows about twelve or lifteen inches apart. Set the seeds in the drills about two inches apart. For field culture the rows should be wide enough to admit the horse cultivator and the roots not nearer than one foot in the rows. The Mangel Wurtzel Beets grow to a large size, are coarse, and wonderfully productive, making excellent food for eattle. Those who have never tried the Mangels for stock, have yet to learn of their great value for cattle, both for milk and meat. Then, they are

juley and refreshing, and add to the health and comfort of the animals. In no way can so much good food be grown so cheaply as in Mangels.

The engraving below exhibits the very thick leafstalks of the kind known as Swiss Chard, the leaf-stalks being eaten when cooked, like Asparagus, and we consider it a great luxury.

Beet, Egyptian Blood Turnip, the earliest variety grown, and valuable on this account; not very productive; per lb., 75 ceuts; per oz., 10 cents.

Eclipse, a standard variety, about as early as the Egyptian; root round, dark red, smooth, top small; quality excellent; per lb., 75 cents; per oz., 10 cents.....

Extra Early Bassano, an early, good Beet, tender and juley; flesh white and rose; grows to a good size; when sown late it keeps well in the winter; per lb., 60 ets.; per oz., 10 ets., Early Blood Turnip, turnip-shaped, smooth, tender and good; about ten days after Bassano; per lb., 50 ets.; oz., 10 ets.,

Edmand's Early Blood Turnip. A market gardener's strain; very regular in shape; deep blood skin and very dark flesh; per lb., 75 cents; oz., 10 cents.... imperial Sugar, one of the sweetest and best Sugar Beets;

per lb., 40 cents; oz., 10 cents ... Red-top Sugar. Ripens earlier than any other variety of Sugar Beet, and yields the largest returns in sugar per aere;

heavy eropper; per lb., 40 ceuts; oz., 10 cents.... Henderson's Plueapple. Bastian Early Turnip, Dewing's Early Turnip. Early Yellow Turnip, Long Blood Red. 60 ets. per lb.; 10 ets. per oz.; 5 ets per pkg.

USED FOR LEAVES AND LEAF-STALKS ONLY.

Beck's improved Sea Kale, a variety of Beet with beautiful, tender leaves, popular for cooking as "greens;" per lb., 50 cents; oz., 10 cents.....

Swiss Chard, Large Ribbed Scarlet Brazilian, per lb., 90 cents; oz., 10 cents.... Swiss Chard, Large Ribbed Yellow Brazilian, per

1b., 90 cents; oz., 10 cents.... Swiss Chard, Large Ribbed Silver, per lb., 50 cts.; oz., 10c.

MANGEL WURTZELS-USED FOR CATTLE.

Golden Glant, New. (For description, SEE COLGRED PAGES.) Per lb., 50 eents; oz. Carter's Mammoth Long Red, of very large size and good quality; one of the best stocks of Loug Red Mangel in cul-

tivation; per lb., 50 cents; oz. Carter's improved Orange Globe, the very best round Mangel; keeps better than the Long Red, and is better adapted for growing in shallow soils; per lb., 50 cents; oz.

Golden Tankard, a new and exceedingly fine variety; particularly valuable on account of its milk producing qualifies; flesh deep yellow; per lb., 50 eents; oz....

Elvetham Long Yellow, Red Globe, Olive Shaped Red. 50 cents per lb.; 10 cents per oz.

CHIVES. (See Onions.)

CRESS.

Cress should be sown in a hot-bed or in a sheltered spot in the garden, quite thick, in shallow drills, and in a short time it will be fit for entting. It gives a pungent relish to Lettuce and other salad plants. A fresh lot should be sown every

week, as it matures very rapidly and is useful only when young. In old times it was quite a fancy with the children, and some older people, to sow Cress so as to form a name or design, which it will do very soon, as it is of very quick growth.

GOLDEN TANKARD

MANGEL WURTZEL

Cress, Fine b., 80 cents; co., 10 cents.

Australian, leaves delicate green, flavor mild and fine; per lb., 80 cents; oz., 10 cents.

Water, does pretty well in moist situations, but better on the edges of streams in shallow water; per lb., \$3.50; oz., 35 cents;

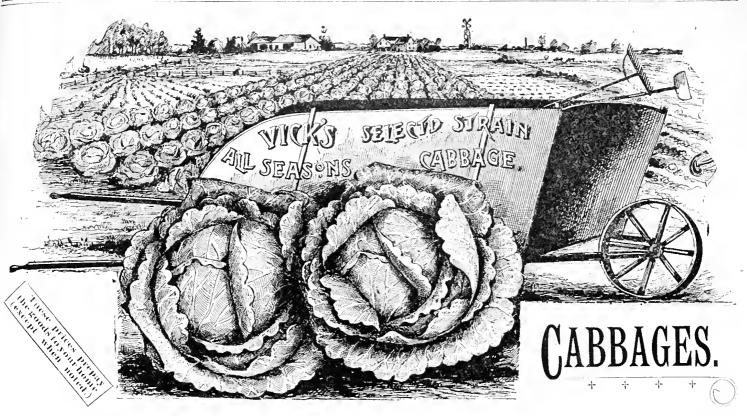
CHICORY.

½ oz., 20 ceuts.....

Sow Chicory seed in the spring, in drills half an inch deep, and in good mellow soil; the after culture is the same as for Carrots. In the antumu the plants will be ready for blunching, when it is used as a salad. The principal use of Chicory, however, is as a substitute for Coffee. The roots are ent and dried, and then roasted for adulteration with Coffee. An ounce of Seed will sow about 100 feet of drill, and from 2 to 3 lbs. an acre. Chicory, Large-Rooted Long Madgeburg, per lb., 90e.; oz. 10



SWISS CHARD.



The Cabbage requires a deep, rich soil, and thorough working. For early use, the plants should be started in a hot-bed or cold frame; but seed for winter Cabbage should be sown in a seed-bed, early in the spring. Some of the large late varieties seem to do best if the seed is sown in the hills where they are to remain, and in that case sow two or three seeds where each plant is desired and then pull up all but the strongest. Plant the large varieties three feet apart; the small, early sorts, from a foot to eighteen inches. The Sayoy Cabbages have wrinkled leaves and are of fine flavor, especially after a little frost has touched them in the autumn. Some gardeners grow plants for early summer Cabbage in a frame in autumn, protecting them with boards or matting during winter. In mild climates Cabbage can be transplanted in autumn. Insects have been exceedingly troublesome to Cabbage in many sections of late years. See advertisement of Vick's Exterminator. Growers must try for a rapid growth, and wage a constant warfare against the enemy.

Cabbage Early Wakefield, the great favorite with market gardeners; the earliest and sure to head. The seed is true and the best; per Ib., \$3.50; per oz., 30 ceuts; per ½ oz., 20 cents All Seasons. A new and very superior sure heading variety. May be planted early or late, as it forms large and very solid heads quickly. Quite excellent. Per lb., \$3.50; oz., 30 cents; 1/2 oz., 20 cents (See cut at head of page)..... Winningstadt, A fine early variety, sugar-loaf in form; one of the best summer sorts; if sown late, good for fall or even winter; per lb., \$1.75; oz., 15 cents.... Fottler's Improved Brunswick. One of the very best second-early sorts. Heads large, flat, solid, and of excellent quality; stems very short; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents Danish Round Winter, the favorite Cabbage of Denmark, and shipped in immense quantities to London and other large cities, where it commands a high price. In season about the same time as Fottler's Brunswick; heads globular in shape, of medium size, and remarkably hard and heavy; per lb., \$4.00; oz., 35 cents; 1/2 oz., 20 cents.... 10 Louisville Drumhead. A variety grown largely by market gardeners in the Southwest. It stands hot weather better than most other sorts, and is a sure cropper; resembles Premium Flat Dutch; per lb., \$4.01; oz., 35 cents; ½ oz., 20 cents..... Premlum Flat Dutch, heads well and keeps over finely; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents.... Large Flat Dutch, good for full or winter crop, resembling the Drumhead; per lb., \$1.50; oz., 15 eents. Perfection Drumhead Savoy. This is a variety which the market gardeners in the neighborhood of New York think they have so much improved as to entitle it to a name. It is from the old Drumhead Savoy; per lb., \$2.50; oz., 25 cents; 1/2 oz., 15 cents Early Blood Red, early variety; fine winter Cabbage if sown quite late in open ground; per lb., \$3.00; oz., 30 ets.; ½ oz., 20 ets. Large Late Blood Red, for picking; per lb., \$2.00; oz., 20 ets. COLLARDS.

Collards, well known and prized at the South, and so nicely adapted to the Southern climate; per lb., \$1.25; oz., 15 cents

OTHER STANDARD VARIETIES.

Newark Early Flat Dutch, Henderson's Succession, Early Summer.

Each, \$3.50 per lb.; 30 ets. per oz.; 20 ets. per ½ oz.; 10 ets. per pkt.

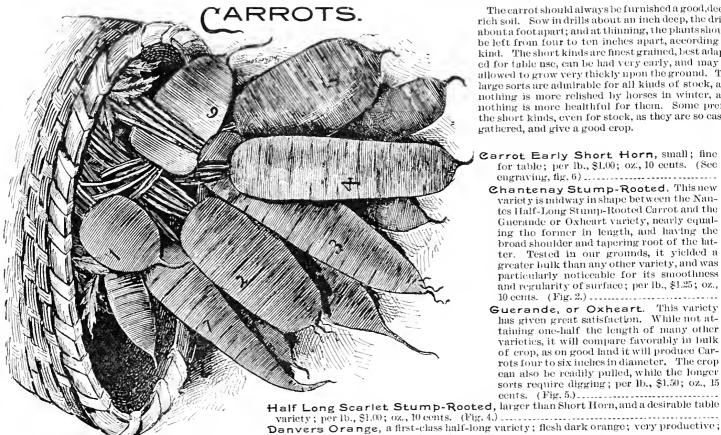
Excelsior Large Flat Dutch, Large Late Drumhead, Filderkraut.

Each, \$2.50 per 1b.; 25 cts. per oz.; 15 ets. ½ oz.; 5 cts. per packet.

Large Freuch Oxheart, Large York. Early Dwarf York, Dwarf Green Curled Savoy. Early Dwarf Ulm Savoy, Each, \$1.50 per 1b.; 15 ets. per oz; 10 ets. per ½ oz.; 5 ets. per packet.



EARLY WAKEFIELD.



The carrot should always be furnished a good, deep, rich soil. Sow in drills about an inch deep, the drills about a footapart; and at thinning, the plants should be left from four to ten inches apart, according to kind. The short kinds are finest grained, best adapt. ed for table use, can be had very early, and may be allowed to grow very thickly npon the ground. The large sorts are admirable for all kinds of stock, and nothing is more relished by horses in winter, and nothing is more healthful for them. Some prefer the short kinds, even for stock, as they are so easily gathered, and give a good crop.

Carrot Early Short Horn, small; fine for table; per lb., \$1.00; oz., 10 cents. (See engraving, fig. 6)

Chantenay Stump-Rooted, This new variety is midway in shape between the Nantes Half-Long Stump-Rooted Carrot and the Guerande or Oxheart variety, nearly equaling the former in length, and having the broad shoulder and tapering root of the latter. Tested in our grounds, it yielded a greater bulk than any other variety, and was particularly noticeable for its smoothness and regularity of surface; per lb., \$1.25; oz., 10 eents. (Fig. 2.)

Guerande, or Oxheart. This variety has given great satisfaction. While not attaining one-half the length of many other varieties, it will compare favorably in bulk of crop, as on good land it will produce Carrots four to six inches in diameter. The crop ean also be readily pulled, while the longer sorts require digging; per lb., \$1.50; oz., 15 eents. (Fig. 5.)__

Half Long Scarlet Stump-Rooted, larger than Short Horn, and a desirable table variety; per lb., \$1.00; oz., 10 cents. (Fig. 4.)

per lb., \$1.00; oz., 10 cents. (Fig. 3.)..... Improved Long Orange, the old standard variety; per lb., \$1.00; oz., 10 cents. (See Fig. 7.).....

CAULIFLOWER.

The Cauliflower delights in a rich soil and abundance of water. By sowing the early varietles in the spring, in a hot-bed or cold-frame, or even in an open border, they can be obtained in pretty good season. For late Cauliflower, sow

seed in a cold, moist place, on the north side of a building or tight fence, in this latitude about the first of May, and they will not be troubled with the little black beetle, so destructive to everything of the Cabbage tribe when young.

Do not allow the plants to become crowded in the seed-bed. Transplant in moist weather, or shado the newly set plants. A moist atmosphere and a rich soil suit the Cauliflower, and we must try to secure this as well as we can. In a dry time Cauliflower must be watered. Any person who has good deep muck partially drained, we think, can raise good Canliflower with little trouble.

> "Oh! dainty queen of my musings, Herein lies wour hidden power. 'Tis the mystery that surrounds you, O, wonderful, magic [cauli-] flower."

Cauliflower, Vick's Ideal. This variety, introduced a few years since as superior to any other variety for reliability of heading and size and solidity of heads, has, by innumerable trials in all parts of the country, established the claims then made for it, and it stands to-day as the leading variety for market and for privatouse. The plants are very dwarf, and while the outer leaves are creet the inner ones lap over the heads in such a manner that they are fully shaded from the sun, preserving them a beautiful snowy white. The plants can be set closely, and they grow and mature rapidly under favorable conditions. Also shown in novelty page. Per oz., \$6.00; per \(\frac{1}{2}\) oz., \$3.00; per \(\frac{1}{2}\) oz., \$2.00

Early Snowball, one of the carliest varieties, and very reliable for heading. Its dwarf habit and short outer leaves allow it to be planted very close - 18 to 20 inches apart; per oz., \$4.00; \(\psi\) oz., \(\psi\)2.25; \(\psi\ oz., \(\psi\)1.25.... 25 OTHER STANDARD VARIETIES.

Alteringham. Early Forcing, Fig. 1. Long Red Corcless Half Long Scarlet Pointed Rooted. Half Long Scarlet Carentan. Each, \$1.00 per lb., 10 cents per oz., 5 cents per pkt.

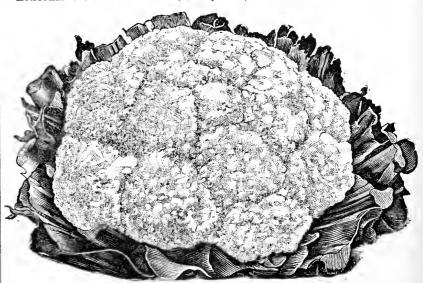
Giant White Belgian Green Top. Long Orange Belgian Green Top. Each, 80 cents per lb.; 10 cents per oz.; 5 cents per pkt.

Cauliflower, Erfurt Earliest Dwarf, low, with pure white curd; one of the best and surest to head; per oz., \$3.50; \(\frac{1}{2}\) oz., \$2.00; \(\frac{1}{4}\) oz., \$1.00.... 20

OTHER STANDARD VARIETIES.

Early Paris, 80 cents per oz.; 50 cents ‡ oz.; 10 cents per pkt. Italian Giant, 70 cents per oz.; 45 cents \(\) oz.; 10 cents per pkt, Algiers, \$1.00 per oz.; 60 cents \(\frac{1}{2} \) oz.; 15 cents per pkt.

Lenormand's Short-Stemmed, \$1.50 per oz.; 90 cents \(\frac{1}{2}\) oz.; 15 cents per pkt.



SNOWBALL CAULIFLOWER.

CELERY.

Sow seeds in a hot-bed or clod frame. As soon as the plants are about three inches high, transplant to a nicely prepared bed in the border, setting them four or five inches apart. When some eight inches high, and fine, stocky plants, set them in the trenches. Earth up a little during the summer, keeping the leaf stalks close together, so that the soil cannot get between them. Finish earthing up in autumn, and never hoe or earth up in moist weather, nor when the plants are moistened with dew.

To preserve Celery for winter, dig trenches a foot in width and as deep as the tops of the plants. Stand the Celery in these, erect, as they grew, with what dirt adheres to the roots, packing closely but not crowding. After the trench is filled it should be covered with straw or leaves as a protection from frost. Do not eover until the weather becomes quite cold, and then only a little at a time, as the cold becomes greater. Celery will bear a

good deal of frost. The trench must have good drainage.

Celery, Dwarf Golden Self-Blanching. This is a variety of Celery of French origin. We have tested it in our experimental grounds for several years, and endorse it as a valuable acquisition. It is of dwarf habit and very stocky; stalks very uniform in height, growing compactly; color of

majority of stalks and leaves a rich golden yellow. In quality we have found it unexcelled, being solid, tender, crisp, and rich in flavor. The same culture and treatment will apply to it as to the White Plume Celery. Per lb., \$5.00; oz., 50 cents; ½ oz., 30 cents,

White Plume, a variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white, and do not require blanching by the old process of high banking. By simply tying up the stalks and drawing up the soil with the hoe the work of blanching is complete. It is ornamental, tender, crisp, and of good flavor, but not a good keeper. Per lb., \$4.50; oz., 40 cents; 1/2 oz., 25 cents

Dwarf Golden Heart, half dwarf; silvery white with waxy, golden yellow heart; perfectly solid, of excellent flavor, and a good keeper; per lb., \$2.50; oz., 25 cents; ½ oz., 15 cents

New Rose. The red Celerics are hardier and better keepers

than the white and yellow sorts, and are of superior quality. The New Rose has all the qualities of the red sorts, while its delicate pink color gives it a handsome appearance. Per lb., \$4.00; oz., 40 cents; ½ oz., 25 cents



OTHER STANDARD VARIETIES.

Turner's Incomparable Dwarf White, Laing's Mammoth Red, Sandringham Dwarf White, Carter's Incomparable Dwarf Crimson.

Each, \$2.00 per lb.; 20 cents per oz.; 5 cents per packet.

Henderson's Dwarf White, Crawford's Half Dwarf White, Boston Market.

Each, \$2.50 per lb.; 25 ets. per oz.; 15 ets. per ½ oz.; 5 ets. per pkt.

New Giant Pasehal, \$3.50 per lb.; 35 cents per oz.; 20 cents per ½ oz.; 10 cents per packet.

Old seeds for flavoring, excellent, 40 cents per lb.; 10 cents per ox.

CORN SALAD.

A favorite salad plant in Europe. Sown in August, and protected with a few leaves during winter, it can be gathered very early in spring. Sown in April, it is soon fit for use. The leaves are sometimes boiled and served as Spinach.

Corn Salad, per lb., \$1.00; oz., 10 cents....



ENDIVE.



Endive is an execllent autumn and winter salad. Sow seed late in the spring, or even as late as July, in shallow drills, and when plants are strong thin out to about a foot apart.

Endive, Moss Curled, per lb., \$2; oz., 20 cents. Green Curled, per 1b., \$2.00; oz., 20 cents 5 White Curled, per 1b., \$2.00; oz., 20 cents

Batavian, per lb., \$2.00; oz., 20 cents

EGG PLANT.

A tender plant requiring starting in the hot-bed pretty early to mature its fruit in the Northern States. The seed may be sown with Tomato seed; but more care is necessary at transplanting, to prevent the plants





being chilled by the change. Those who have no hot-beds can sow a few seeds in boxes in the house. Hand-glasses are useful for covering at time of transplanting.

Egg Plant, Early Long Purple, eight or nine inches long,	
productive; per oz., 25 eents	5
Round Purple, medinn size; per oz., 25 cents	5
Improved New York Purple, very large and fine, tho	
best; per oz., 60 cents; ½ oz., 35 cents	10
Black Pekin, per oz., 50 cents; 1/2 oz., 30 cents	10

CUCUMBER.



IMPROVED LONG GREEN.

In this latifude it is useless to plant in the open ground until nearly the first of June, Make rich hills of well-rotted manure, two feet in diameter, and plant a dozen or more seeds, covering half an Inch deep. When all danger from insects is over, pull all but three or four of the strongest plants. The middle of June is early enough to plant for pickling. Make the hills about six feet apart. For early Cneumbers, the hotbed is necessary; but the simplest and surest way to produce a tolerably early erop of the best kinds is, where it is designed to place a hill, dig a hole about eighteen inches deep and three feet across; into this put a barrow of fresh mamire, and cover with a small box-like frame, on the top of which place a couple of lights of glass. When the plants grow, keep the earth drawn up to the stems. Water and give air.

"Where grows? where grows it not? In vain our toil, We ought to blame the culture not the soil."—Pope.

The Foreign Varieties are of fine quality and of wonderful size, often two feet in length, but they require a hot-bed to help them along until the weather is warm. In Europe they are grown in glass houses.

As long as fruit for the table is desired, do not allow any to go to seed, as this impairs the fruiting of the vine. Two specimens allowed to form

seed will do more larm than two dozen for the table or pickling. Some of the smaller kinds are usually preferable for pickling, but Long Green is excellent for this purpose when young, and some pickling houses use White Spine exclusively,

AMERICAN VARIETIES.

Cucumber, Early White Spine, an excellent variety for table; very pretty and a great bearer; a favorite with market growers; per lb., 90 cents; oz., 10 cents...

Chicago Pickling, A new variety, exclusively used by the Chicago picklers. Very prolitie, and a profitable sort for this purpose; per lb., \$1,00; oz., 15 eents

Improved Long Green, a very fine long fruit of excellent quality; per 1b., 90 cents; oz., 10 cents.... · - - - - • - · · - · · · · ·



EARLY WHITE SPINE.

Vick's Early Chinese. This variety of Cucumber we seemed from China five years ago, and we have grown and tested it with other varieties on our trial grounds every year since. It has proved to be two weeks earlier than other varieties, splendid quality, from one to two feet long. Color, light green, turning to creamy white when ripe. Smooth skin, few spines. Being very solld, it produces few seeds. Though not over productive, its extreme earliness and fine quality places it at the head of the list of Cucumbers. It can be used on the table from the time it is a few inches long till it ripens. Every lover of this vegetable



EARLY GREEN CLUSTER.

OTHER STANDARD VARIETIES.

Early Russian, Early Green Cluster, Early Frame,
Cleveland Pickling,
Nichols' Medium Green. 90 eents per lb.; 10 cents per oz.; 5 eents per pkg.

FOREIGN VARIETIES.

ucumber, Long Green Southgate, a flue, old, hardy English sort; per oz., 50 ets. Chinese Long Green, long, productive good bearer
Rollisson's Telegraph, one of the best, Carter's Champion, a fine winter va-Cartor's Model, fine for house and frame culture; very prolifie; keeps in bearing a long time

GHERKIN

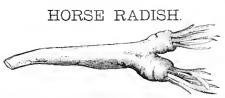
The Gherkin is not a Cueumber proper, but a little, rough, prickly fruit, that grows on a pretty vine, with leaves something like a Watermelon. It is liked for pickling, and is known as the West India Gherkin. What dealers call Gherkins are only small Cucumbers.

GARLIC.

The Garlie is the most pungent of all the Onion family. It is much used in the South of Europe. The root or bulb is composed of many small bulbs, called "cloves," which are planted in the spring six or eight inches apart, and in August the tops will die, when the bulbs are ready to gather. They do best in a light rieh soil,

Garlic, per lb. 30





The best way to grow Horse Radish is from the little roots four or five inches in length, and not from the crowns. These small roots will produce good Radish fit for use in one season's growth. Plant the set small end down, where the slanting cut is, and so that the top will be two inches under the soil. It can remain in the ground till late in the autumn, and be pitted, or a portion can remain in the ground until spring. A dozen roots will give all that will be needed for family uses for a life time, for it constantly increases and the danger is that it will spread too fast and become troublesome. It is best, therefore, to plant it in some corner of the garden, where it can grow without injuring anything,

KOHL RABI

Fohl Rabi is sown for a general crop in the spring, like the Turnip, in drills; or may be transplanted like Cabbage. For winter table use, sow middle of June. The stem, just above the surface of the ground, swells into a bulb something like a Turnip, as seen in the engraving. It is cooked like the Turnip, and is highly prized for stock, in Europe, as a substitute for Turnips. It will bear drought better, and therefore a erop is more eertain.



Kohl Rabi, Early White Vienna, delicate, much prized Early Purple Vlenna, another foreing variety, similar to Large Early White or Green, fine and tender for table; per 15., \$1.50; oz., 15 eents....

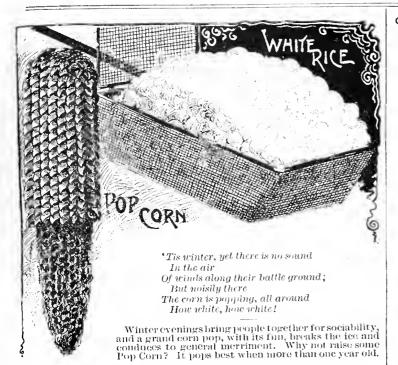


LEEK

Seed is generally sown in the spring in a seed-bed, and young plants transplanted July 1st. The Leek is prized for soups, and is thought for this purpose to be superior to the Onion.

Leek, Broad Flag, per lb., \$1.25; per oz., 15 cents... 5 Musselburg, per lb., \$2.25; oz., 25 cents 10





Pop Corn, White Rice, best white; per quart, 40 eents...... 10

SWEET CORN



CORY.

Below we give the earliest, medium and latest varieties of Sweet Corn. The engravings show different varieties, both as to form and comparative size, as nearly, perhaps, as it is possible to do so in engravings of this character. Sweet Corn should not be planted very early in the season, for it will not make any progress until the weather is warm and will be very likely to rot. It will decay in places where our common field corn will grow, and the sweeter and purer the less hardship it will bear.

> " Still let us, for his golden corn Send up our thanks to God!"-John G. Whittier.

Always select a warm soil for Sweet Corn, if possible, especially for the early varieties, as the difference in soil and exposure will make at least a week's difference in the time of maturity, besides insuring a crop. We have taken the greatest possible pains to secure very choice Sweet Corn.

Corn, Extra Early Cory. A few days earlier than, and in general appearance closely resembling the Marblehead, and producing ears somewhat larger. To marketmen this variety is of great value, as the first Sweet Corn will bring two or three times the price it commands when the supply becomes general. Price, per quart, 40 cents Early Minnesota, one of the best very early sweet varieties we have ever tried. Plant rather dwarf, ears fine for so early a variety, and of good quality; per quart, 40 cents..... Perry's Hybrid Sugar, the largest Early Sweet Corn that we ever seen. Ears ready for use a few days later than the Early Marblehead, and before the Minnesota, but of double the size of either of these varieties, the ears being twelve-rowed, and sometimes fourteen. The kernels are large and tender, and deliciously sweet; stalks of great vigor, growing about six feet high, Russell's Prolific, a very superior early variety, the sweetest of the very early sorts. Ears eight to ten inches in length; per quart, 40 cents Stowell's Evergreen, late; very select and pure; an excellent variety, remaining in a green state longer than any other

Corn, Vick's Earliest of All. This is in fact the "earliest of all;" very excellent, tender and sweet always to the second second all the second seco pleased the limited number who were able to get it. Similar in appearance to the Cory, but is superior in quality, ripening a week to ten days before the Cory; 50 cents per quart, 10 cents per packet. See Novelty pages.



RUSSELL'S PROLIFIC.

Vick's Golden Nugget. Introduced last year by us as a novelty. Its earliness and bright golden color are remarkable; very tender and sweet, with an excellent rich flavor; ears medium size, twelverowed and well filled; 60 cents per quart, 25 cents per pint. I5 cents per package. See Novelty pages.



EVERGREEN.

Country Gentleman. This new Sweet Corn is a remarkably satisfactory corn for family use. Its long, small, milky kernels are full of sweetness, and as the cob is small, and the corn white and very tender, it is sure to please; 60 cents per quart, 35 cents per pint, 15 cents per package. See Novelty pages.

OTHER STANDARD VARIETIES.

Egyptian, or Washington Market. Early Eight-Rowed Sugar. Early Adams. Ne Plus Elfra, or Ouaker, Moore's Early Concord. Mammoth Late Sugar.

Hickok's Improved. Black Mexican. Excelsion. Triumph. Chicago Market. Crosby's Early. Each, 40 cents per quart; 10 cents per package.

MUSTARD.

Mustard being very hardy, seed can be sown as soon as the soil is free from frost. Sow in shallow drills, and cut when a few inches in height. It grows rapidly, and several sowings may be made. The young Mustard leaves are used for spring salad.

Mustard, White, best for salad or eulinary purposes; per lb., 40 cents; oz., 10 cents Black, per lb., 40 cents; oz., 10 cents....

OKRA.

OKRA-WHITE VELVET.

The Okra is a vigorous, large plant, requiring a good deal of room, and the large kind should be planted not less than three feet apart, and the dwarf about eighteen inches. In mild climates it is only necessary to sow the seed in the open ground, about two inches deep, and then merely keep the ground clean and mellow, as for a hill of corn.

Okra, White Velvet. The pods of this new variety are round and smooth, much larger than those of other sorts, and are produced in great profusion. Per lb., \$1.00; oz., 10 cents...... 10 Long Green, long pale green, and ribbed. Per lb., \$1.00; oz., 10 cents..... Dwarf Green, earliest and best for the North. Per ib., \$1.00; oz., 10 cents.....

This space is reserved to suggest that you add The Charmer Pea and Golden Nugget Corn to the list, and before completing order take another look through the colored pages.

"Smoothly and lightly the golden seed by the furrow is covered."

LETTUGE.

"Blessed be agriculture! if one does not have too much of it." -Chas. Dudley Warner.

Lettuce is divided into classes: the Cabbage, with round head and broad, spreading leaves; and the Cos, with long head and erect, narrow leaves. The Cabbage varieties are the most tender and buttery, and the Cos the most crisp and refreshing. The Cabbage form has a subdivision called Curled, from the form of the leaves. There are several varieties, with loose, curled leaves, having the habit of the Cabbage, though not forming solid heads, that are very pretty for garnishing, and considered by many the best in all respects. Sow in the open ground as early as possible; or, if you have plants from fall sowing, transplant them to a rich soil, giving plenty of room and hoe well. If the hot-bed is used, let it be started quite early. Give but little hent, and plenty of water and air on fine days. Sow a couple of rows thick, in the front of the frame, to be used when young - say two inches in height. Let plants in the rest of the bed be about four inches apart. In a sunny country like America, Lettuce generally runs up to seed very early in the season, so that after the warm weather it is difficult to find a good head of Letfuce in most gardens. The remedy is to plant for late use in a cool, partially-shaded place in a rich soil, and this should be supplemented by a free use of water.

Lettuce, New Premium Cabbage, the best variety we have ever grown; good solid head, keeping in good condilion without going to seed longer than any other variety; excellent for all uses and seasons; per lb., \$2.50; oz., 25 cents_-

Imperial White Cabbage, a fine variety; excellent for family use and market, as it withstands summer heat well, and remains a long time in the head before running to seed; per lb., \$2.00; oz., 20 cents....

Early Tennis Ball, or Boston, one of the earliest and best heading varieties; per lb., \$1.50; oz., 15 cents

Early Curled Simpson, an improvement on the old curled Silesia, very early; fine for forcing; per lb., \$1.50; oz.,

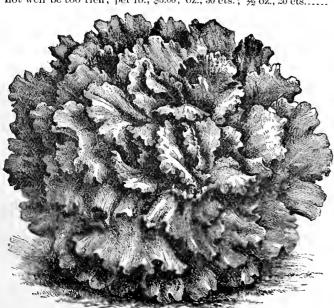
Early Hanson, heads very large, solid, tender, crisp; flavor fine; stands summer heat well; one of the best sorts; per lb,,

\$1.50; oz., 15 cents.

Prize Head, very large; stained with red; outer leaves curled; very crisp and tender; slow in running to seed; per Ib., \$1.50; ox., 15 eents....

Parls White Cos, one of the best of the Cos varieties;

per 1b., \$2.00; oz., 20 cents..... Grand Rapids Forcing, quite as good for out door culture as other varieties. Large, beautiful leaves, more crisp and tender than any variety known. From all parts of the country come enthusiastic praise from persons who have tested it. Twenty to thirty pounds have been raised from a common sash, and three crops taken off the same ground. Frequently a house full of this Lettuce will average one-half a pound to a plant, and occasionally plants have weighed 11/2 1bs. It is excellent for shipping and will ensure sales at sight. Buyers call for it and wish no other. An omelet large enough for six persons can be served upon one leaf (making an exquisitely dainty breakfast dish). We offer it this season, being positive it is the best Foreing Lettuce known. To ensure quick growth use plenty of water; set plants about six inches apart. The best results are obtained by planting in a compost of nearly one-half rotten manure, the rest good new loam. The soil cannot well be too rich; per lb., \$3.00; oz., 30 ets.; ½ oz., 20 ets..... 10



CURLED LETTUCE.



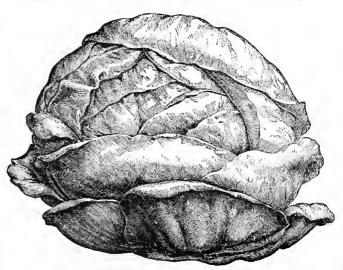
GRAND RAPIDS FORCING LETTUCE.

OTHER STANDARD VARIETIES.

All the Year 'Round, Hardy Green Winter. Butterenp.

Black Seeded Simpson, Hubbard Market, Early Egg.

Each, \$1.50 per lb.; 15 cents per onnce; 5 cents per package.



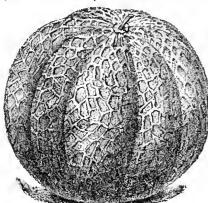
IMPERIAL WHITE CABBAGE LETTUCE.

THE MELON, being of tropical origin, reaches perfection only in a warm temperature. In this latitude we must give the Melon every possible advantage to secure earliness and thorough ripening. The same culture as recommended for Cucumbers will insure success. It is desirable also for the North to seeme early vipening varieties. There are two distinct species of Melons. The Musk and the Water Melon. The former is the most easily grown, though, with a selection of early sorts and a little attention at forwarding the young plants early in the season, a good crop of either can be secured almost anywhere. The Melon will grow and ripen well in a warm, sandy, poor soil, but when grown in such a situation the hill must be thoroughly curiched with plenty of available food for the roots.

MUSK-MELONS.

Vick's Musk Melon, Prolific Nutmeg. We have yet to find a Musk Melon more satisfactory than the "Prolific Nutmeg." In these three most important characteristics, viz: Earliness, QUALITY, PRODUCTIVENESS, it stands at the head of the list. Per 1b., \$2.00; oz., 20 cents

Vick's Irondequoit. New. This variety still leads the proces-



IRONDEQUOIT MUSK MELON.

sion as the first in all respeets among the many kinds of Melons cultivated in this country. The better it is known the more popular it becomes, and the results of this season's culture have widely extended its fame. The yellowtleshed varieties of Musk-melons, as a rule, have hitherto lacked in flavor, but the "Irondequoit '' possesses this quality to a high degree -equal to the best of the green-fleshed varieties. The llesh is very thick, orange yellow in color, melting, juicy,

neetar-like. The vine is a strong grower and very productive. The fruit is large-twelve to tifteen inches in diameter, round, ribbed of light grayish color, with a prominent network over the surface. A splendid melon, both for market and the private garden. Per 1b., \$3.00; oz., 30 cents; ½ oz., 20 cents......

Golden Netted Gem, an early, small, and very prolific variety, recently introduced, and quite popular with the melon growers of New Jersey; per lb., \$1.10; oz., 15 eents ...

Jenny Lind, an early variety; small, but of excellent flavor; per lb., \$1.10; oz., 15 eents.....



EMERALD GEM.

Emerald Gem, new, small, extra early; skin dark green, smooth; flesh orange, and of delicious flavor. Per lb., \$1.25; oz.,

Miller Cream, or Osage, new; a cross between Sill's Hybrid and Casaba; flesh salmon in color, very thick, sweet, rich and melting. A strong grower and very productive. Per lb., \$1.10; oz., 15e. Extra Early Hackensack, a new strain of the well-known Hackensack Melon, but at least ten days earlier. The Melons weigh from four to ten pounds each; they are heavily netted, and have light green flesh; per lb., \$1.50; oz., 20 cents.....

skin heavily netted; flesh light green, rich and sweet; an excellent shipping variety, Per lb., \$1.25; oz., 15 cents.... Montreal Nutmeg. Fruit of the largest size, often attaining a weight of 15 to 20 pounds; shape nearly round, flattened at the ends, deeply ribbed; flesh remarkably thick, green, melting, and of the finest flavor;



VICE'S PROLIFIC NUTMEG.

OTHER STANDARD VARIETIES.

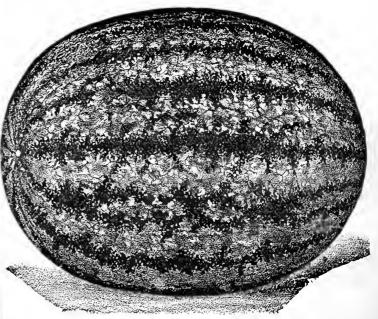
Large Hackensack, Early Christiana. Jenny Lind. Green Citron. Early Chr Bird Cantaloupe. Casaba, or Skillman's Fine, Netted. Improved Large Green Natmeg. Casaba, or Persiau.

Surprise, White Japan, Long Yellow Can-taloupe, Bay View.

Each, \$1,00 per lb.; 15 cents per oz.; 5 cents per package.

WATER MELONS.

No suggestions are necessary to induce cultivation of these cooling, delightful summer favorites. At home or in the field they are always acceptable, and namy times take the place of water in quenching thirst, They require a rich, though sandy soil to bring the best product. In the south they grow to perfection, and in the north when planted in warm soil and sheltered from strong winds, fine and profitable crops are obtained. Cultivation same as for Musk Melon, except that the hills should be eight to ten feet apart.



KOLB'S GEM.

Water Melon, Kolb's Gem. a Southern variety, and very popular on account of its large size, immense yield, and good shipping qualities; flavor excellent; per lb., \$1.00; oz., 10 cents.....

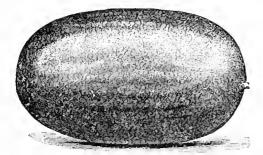
Florida Favorite. A fine varicty, size medium; shape oblong; cofor of rind, dark and light green stripes alternately; tlesh bright crimson, very crisp and deliciously sweet. Ripens earlier than Kolb's Gem. Mammoth Iron Clad, or Rattlesnake; per Ib., \$1.00; oz., 10 ets.

Mammoth Iron Clad, so named on account of the hardness and teuncity of its shell, and its immense size. Specimen melons have been found to weigh seventy pounds. Flesh firm and of time tlavor; per H., \$1.00; oz., 10 cents

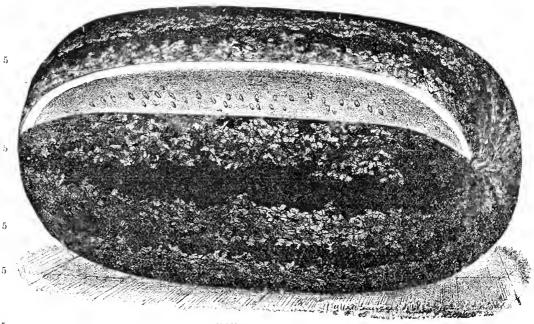
Ice Cream, or Peerless, is a füst-class Melon; tlesh pink, sweet and melting; white seed; per lb., 90 cents; oz., 10 cents.....

Vick's Early, Oblong, smooth, rather small, tesh bright pink, solid, sweet, and the earliest Melon that we are acquainted with; per lb., \$1.00; oz., 10 cents._____5

Jordan's Gray Monarch. A distinct variety and one of the largest oblong; rind a mottled gray; tlesh deep red and delicious flavor. Per lb., \$1.00; oz., 10 cepts; pkt. 5



VICK'S EARLY.



MAMMOTH IRON CLAD.

Water Melon, Citron, for preserves; flesh white and solid, seeds red; per lb., \$1.25; oz., 15 cents

OTHER STANDARD VARIETIES.

Hungarian Honey. Scaly Bark. Phinney's Early. The Boss. Black Spanish. Mountain Sweet. Mountain Sprout. Green and Gold.

Pride of Ceorgia. Volga. Seminole. Cuban Oncen. Dark Icing. Georgia Rattlesnake. Orange.

Colorado Preserving.

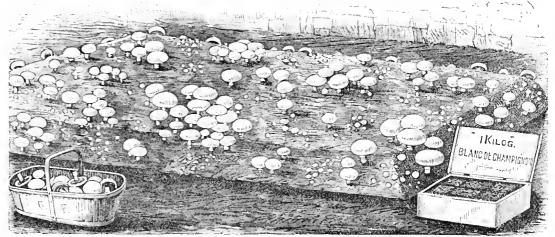
Each, 90 cents per lb.; 10 cents per oz.; 5 cents per packet. "You sunburn'd sickle men, of August weary,

Come hither from the furrow, and be merry.' - Tempest.

MUSHROOMS.

Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at from 50 to 60 degrees. From some old pastures procure the soil, and store it away. To one bushel of this soil add two bushels of fresh horse manure. Of this well-mixed compound prepare a bed, say four feet in width. Put down a thin layer and pointd it down hard, and go on until you have a bed eight inches thick. It will soon become pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut in each hole. Cover the holes and press

the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover the bed with some two inches of fresh loain, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The bed will continue bearing from twenty to thirty days. After the first erop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, and eover with hay as before. Success in Mushroom growing depends so much upon a proper and uniform tem-



VIEW OF A MUSHROOM BED IN OUR CELLAR.

perature, moisture, and perhaps other conditions of the atmosphere, that success is not always certain with the amateur. One pound of spawn is enough for a bed two feet by six.

Mushroom Spawn, English, lb., by mail	30
Per 8 lbs., by express, not paid	00
French, per 1b., by mail	50
Two pound boxes (see cut), by express, not paid	75

Seeds, Plants and Bulbs delivered free except where noted.

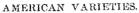
ÖNIONS.

The American Oniou seed we offer is all of our own growing, every Onion examined before planting, and we believe it to be the purest and best in the world. Any oue who plants 100 seeds and gives them good eare may not only reasonably expending the second of the second

onion examined derive planting, and we be beieve it to be the purest and best in the world. Any one who plants 100 seeds and gives them good care may not only reasonably expect 80 good plants, but 90 good, sound, round Onions, unless they are sown so thick as to make it necessary to remove a part of them.

The Oniou must have a clean and very rich soil. Use well sorted manure freely, and be sure and get the seed in as early as possible in the spring, no matter if it is ever so cold and unpleasant; for, it Onions do not get a good growth before hot, dry weather, the erop is sure to be a failure. Thin out early, and keep the soil mellow and clear of weeds. Sow in shallow drills, not less than a foot apart, and thin out when the young plants are about the size of quills. In doing this, disturb those that remain as little as possible. As Oulons grow on the top of the ground, they may be allowed to remain pretty thick, no matter if they erowd ends on the top of the ground, they may be allowed to remain pretty thick, no matter if they erowd ends of the pround, they may be allowed to remain pretty thick, no matter if they erowd ends of the pround, they may be allowed to remain pretty thick, no matter if they erowd ends of the pround, they may be allowed to remain pretty thick, no matter if they erowd ends of the pround, they may be allowed to remain pretty thick, no matter if they erowd ends of the prounds of seed is usually required for an aere.

In cold or mucky soils, where the Danvers or Wethersteld varieties will not form bulbs, the Early Red should be tried, and will often succeed while others fail. It is an excellent variety and a good keeper. The New Italian Onions, of which there are several admirable varieties, are of a sweet, mild flavor, and grow very large, often from one to four pounds. They do well at the South, while from Sers good crops are grown, and quite carly. These sets are little Onions grown the previous year, and taken up when as large as Peas. Set out in the spring they very soon form large g



Onlon, Danvers Yellow Globe. Our own strain, raised from above selected seed. It stands at the head, is a fine, large, round Onion; very choice; per lb., \$3.00; oz., 30 cents.

Large Uzllow, a fine, large, flat Onion; forms bulbs readily; per lb., \$2.25; oz., 20 cents

Round Uzllow Danvers, not Globe-shaped. A standard va-Round Yellow Danvers, not Globe-shaped. A standard variety, prolifie and a good keeper; per lb., \$2.75; oz., 25 cents.

Wethersfield Red, one of the best varieties for a general erop; of good size; red, flattish, productive; heads and keeps well; per lb., \$2.25; oz., 20 cents.

Early Red Globe, early; good; per lb., \$2.50; oz., 25 cents.

Extra Early Flat Red, earliest of all the American varieties, good keeper; per lb., \$2.50; oz., 25 cents.

White Globe, a large, white Onion, as large as Danvers Yellow; per lb., \$3.50; oz., 30 cents.

Silver-Skinned, true, white; delicate; early; not a good keeper; per lb., \$3.50; oz., 30 cents. ITALIAN ONIONS.

These ITALIAN varieties are especially adapted for cultivation in the SOUTHERN STATES. At the North, only the early sorts will succeed, unless seed is sown in a hotbed early in March, and the young Onions transplanted to the open ground as soon as they are the size of onills they are the size of quills.

they are the size of quills,
Onlon, New Glant Rocca, of
Naples, a splendid large Onion,
of globular shape and light brown
skin, sometimes weighing 3 ponnds
or more; per lb., \$2.00; oz., 20 ets...
Large Blood Red Italian
Tripoll, more flat than the preceding, quite as large, and blood red;
per lb., \$2.00; oz., 20 cents...
Mammoth White Garganus,
or Silver King. The largest of
the Italian varieties; flat, silverywhite, mild and fine; per lb., \$2.75;
oz., 30 cents

oz., 30 cents



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It is useless, however, to try to grow Onions on a poor unsuitable soil or in a careless manner. Three days of neglect when the weeds are growing rapidly will sometimes ruin a crop, and a week too late in sowing often makes the difference between a good and bad harvest. For weeding, we can recommend either the Planet, Jr., or Wheel Hoe, which we have found very effective. See advertisement at end of this catulogue. Mannire for Onions should be well rotted, and placed on or near the surface. With proper manuring Onions can be grown on the same land for a score of years, and it will become cleaner and better every year. The Onion is such an important crop to large growers, and the preparation of the soil and culture so expensive, and consequently a failure from bud seed or other causes is so disastrous, that long ago we determined to sell no seed of the leading American kinds, except what we grew on our own grounds, and knew to be new, true and good. The Onion crop is usually exceedingly profitable, ranging from three hundred to twe lumdred bushels per acre, according to richness of soil, culture, etc. The price ranges from twenty-five cents to one dollar per bushel, but seldom less than fifty cents.

VERS

Onion, Large White Flat Italian Tripoli, pure white skin, flat, mild flavor, and as large as Giant Rocea; per lh., \$2.50; oz. 20 cents
Early Flat White Italian Tripoll, beantiful white skin;

\$2.00; oz., 20 cents.

New Queen, white skin, fine flavor, very small; the earliest grown; per lb., \$2.75; oz., 30 cents

ONION SETS.

The prices of sets given below are based on the present market rates. Should fluctuations occur later in the season, we shall be obliged to vacy prices on bushels and pecks in accordance with the market. The price per quart will remain unchanged.

At bushel or peck rates, the purchasers pay the freight or express. At the quart price we prepay postage.

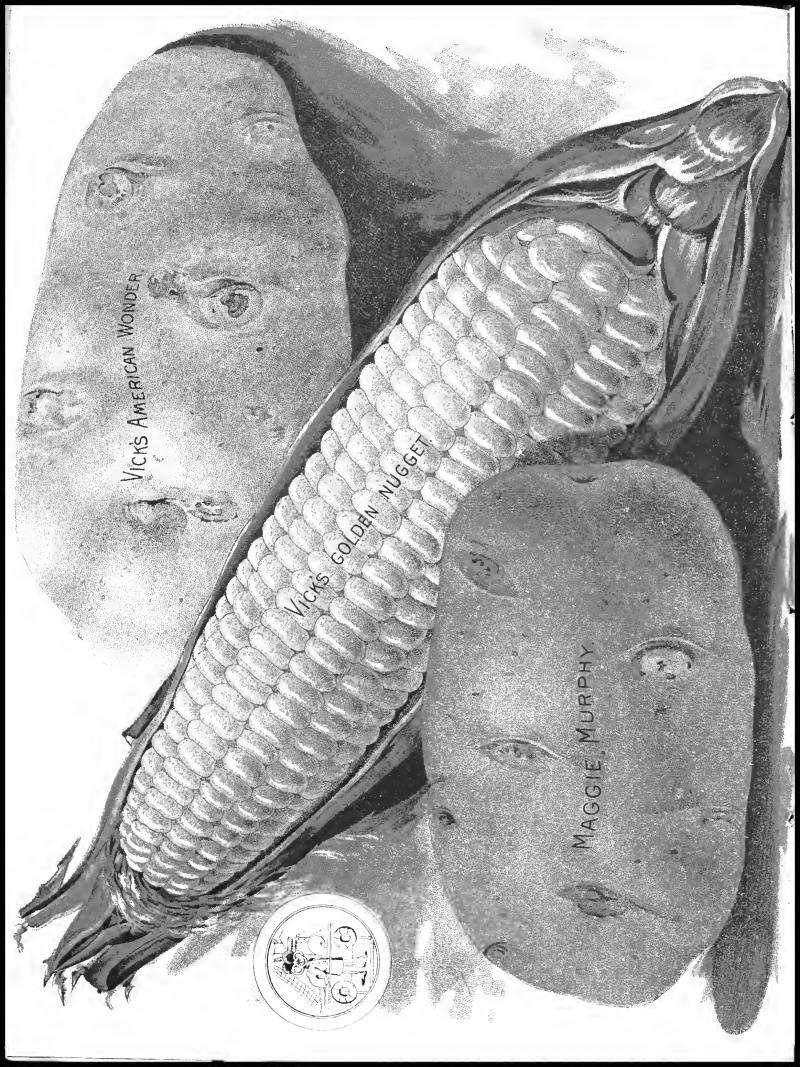
English Multipliers, or Potato Onions, per bushel, \$4.00; peek, \$1.25; quart Yellow Bottom Sets, per bushel, \$4.50; peek, \$1.35; quart... White Bottom Sets, per bushel, \$5.50; peck, \$1.60; quart ...

CHIVES

Chives are small and not very Important members of the Onion tribe, write hardy everywhere. The leaves are slender, and appear very early in the spring, and may be shorn several times during the season. They are propagated by divisions of the root. Chives make the very best border for beds in the vegetable garden, and are not only ornamental, bearing pink flowers, and a mass of green leaves, but equal to the Onion for flavoring soups and salads. Roots, per bunch, 20 cents.

ONION SEED SCARCE FOR 1893.

The stock of Onion Seed is very short in every section this year, especially the True Globe Shape, Eastern Grown Seed, which fact will no doubt tempt unscrupulous dealers to place doubtful seed on the market. Buyers should be careful and place their orders with Seedsmen in whom they have confidence. Our stock is limited, and we urge our friends to send in their orders as early as possible.



"Whoever plants the seed beneath the sod, And waits to see it push away the clod, Trusts he in God."

POTATOES.

"Lots of potatoes growing in a hill, Crowded so closely they couldn't keep still; 'Lie over, lie over,' they said." —Walton.

AFTER due consideration, we have selected the following varieties of Potatoes as the very best of their respective classes for general culture. It is an established fact that the Ohio class is unequaled for earliness, and that there is none better in the Rose class than Chicago Market. In the second early class Vick's Perfection is without an equal, while for late or general crop, Vick's Champion has given great satisfaction wherever grown.

For our New Potatoes, "American Wonder" and "Maggie Murphy" (see colored pages), we predict a most brilliant future. The latter is a large pink variety, an enormous yielder, and blight proof. They have come to stay, and we have no hesitation in saying that they will not only supersede that good old sort, "White Star," But all others of their classes.

We shall commence shipping just as soon as danger from freezing on the way is over. When so desired, we will pack two or

three varieties in one barrel, without extra eost. No Potatoes sent by express unless we receive eash with order to prepay express charges. All orders filled directly from our bins.

** At the pound price we prepay postage. At peck, bushel, and barrel rates the purchaser will pay Freight charges.

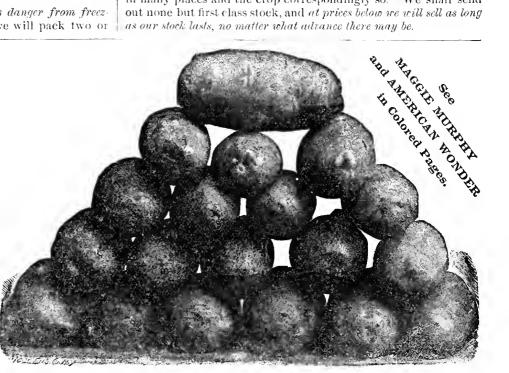
A great many persons order but one peck, thinking the freight charges will be less than on one bushel, which is not the case, as all Railroad Companies make no charge for less than 100 lbs., therefore the freight on one bushel is the same as on a peck.

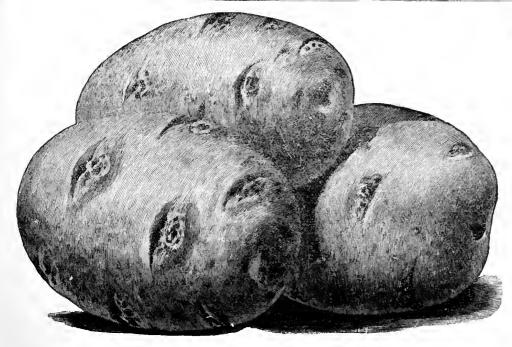
Several varieties of seed potatoes are very scarce, notably the Ohio Junior, Early Market, and Early Ohio. Season was poor in many places and the crop correspondingly so. We shall send out none but first class stock, and at prices below we will sell as long as our stock lasts, no matter what advance there may be.

EARLY MARKET.

(EXTRA EARLY.)

As the name implies, this variety is especially recommended to grow for early marketing, as it is unsurpassed in quality by any Potato in the early stages of growth, or unripe condition, cooking dry and mealy as soon as the tubers have attained a marketable size. The tubers are medium to large, light pink or flesh eolor, with the speeks peculiar to the "Ohio" class, oval oblong, very uniform in size, eyes flush with the surface; both stem and seed ends are round and full. It is a good keeper, retaining its excellent quality from the time of harvesting until the next planting season. Price, per lb., 30 cents; 4 lbs., \$1.00, postage paid; peck, 75 cents; bushel, \$2.00; barrel, \$5.00.





OHIO JUNIOR.

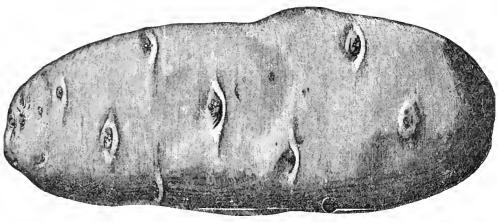
(EXTRA EARLY.)

This new Potato originated with us in the year 1881, and although a chance seedling, it is without doubt in some way related to that good old sort; the "Early Ohio," as it is almost identical with that variety in the form and marking of the tubers, habit of growth, etc. The tubers are oval oblong, round at the seed end, with full eyes, that are almost even with the surface. It is an excellent keeper, very productive, of fine quality, and has proved to be a most valuable addition to our list of EXTRA EARLY varieties. Price, per lb., 30 cents; 4 lbs., \$1.00, postage paid; peek, 75 cents; bushel, \$2.00; barrel, \$5.00.

CHICAGO MARKET.

(EARLY.)

One of the best Potatoes in cultivation, either for family use or market. The tubers are large and uniform in size, grow compact in the hill, eyes shallow and few in number. Flesh dry and well flavored. It is wonderfully productive and succeeds well in all soils so far as we can learn. The skin is light flesh color, but partially covered with a russety coating; flesh white; per lb., 30 cents; 4 lbs., \$1.00, postage paid; peck, 60 cts.; bushel, \$1.75; barrel, \$4.50.



VICK'S PERFECTION.

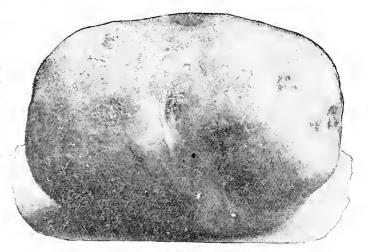
(SECOND EARLY.)

This new variety is a chance seedling, and is certainly one of the finest Potatoes we have ever grown for general purposes. Its wonderful productiveness, fine appearance and good cooking qualities will surely make it a great favorite. The tubers grow compact in the hill, and are large and uniform in size, oblong inclining to oval, but generally flattened. Color white, with a tinge of pink around the eyes similar to the Hebron. The vine is of strong, vigorous growth, yet stocky and short jointed, maturing about the same time as White Star. We feel confident this variety will prove of great value for field culture, and become very popular. Per lb., 30 eents; 4 lbs., \$1.00; peck, postage paid, 60 eents; bushel, \$1.75; barrel, \$4.50.

VICK'S CHAMPION.

(LATE.)

This new Potato has been selected after several years trial, as one that has qualities which are highly commendable. It is a wonderfully strong growing variety, producing an abundant growth of tops, and very large white tubers that are covered with a light russeted coating. The eyes are quite large, full, and nearly even with the surface. Tubers similar in form to the Green Mountain, but more oval and full at the seed end. This is one of the most productive varieties ever offered, and a splendid keeper of excellent quality. Per 1b., 30 cents; 4 lbs., \$1.00; postage paid, peck, 60 cents; bushel, \$1.75; barrel, \$4.50.



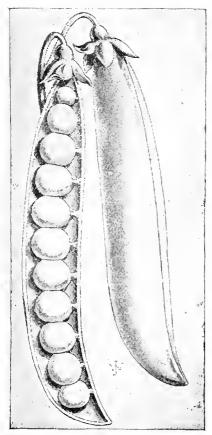
EARLY OHIO

EARLY OHIO.

(EXTRA EARLY.)

A few days earlier than the Rose and similar in color and habit of growth, is more productive and equally as good for table and market purposes. Per lb., 30 cents; 4 lbs., \$1.00, postage paid; peck, 75 eents; bushel, \$2.00; barrel, \$5.00.

Read description of Maggie Murphy and Am. Wonder Potatoes in Colored Pages.



TELEPHONE.

"Pease in a pod growing larger each day, Are constantly getting in each other's way, 'Lie over, lie over' they said."

-Walton

THE PEA is very hardy, and will endure a great amount of cold, either in or above the ground; and as we all want "green peas" as soon as possible in the season, they should be put in as early as the soil can be got ready -the sooner the better. The earliest Peas

are mostly small, round, smooth and hardy, the tallest not growing more than from two to three feet in height. Of late years some very fine dwarf, sweet, wrinkled sorts of very great merit, like American Wonder and Little Gem, have been added to this class. The late are large, mostly wrinkled, and formerly were nearly all tall, like the Champion of England but very many excellent dwarfs have been added to the list. If the Earliest sorts are planted about the first of April, in this latitude, they will be fit to gather in June. Those a little later will come in about the Fourth of July. By sowing two or three varieties of Early and Late, as soon as practicable in the spring, a supply will be had from early in June to late in July, with only one sowing.

Sow Peas in drills not less than four inches deep, about a pint to forty feet. The drills must not be nearer than two feet, except for the lowest sorts. Those growing three feet high or more, should not be nearer than three or four feet, and should have brush for their support. The large, fine, wrinkled varieties are not as hardy as the small sorts, and if planted very early should have a dry soil, or they are liable to rot. It is well to sow the earliest Peas just as soon as possible: in two or three weeks after make another sowing -a few more early, and some for late erop. The second sowing comes in nicely. Brush should be furnished to all but the dwarf kinds as soon as they appear above ground.



VICK'S EXTRA EARLY.

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10 10 10

EARLIEST.

Peas, Vick's Extra Early, the earliest of the early Peas; unsurpassed, either for market or family use; of excelent quality; unusually productive for so early a variety. Per qt., 45 ets... 10 ty; musually productive for so early a variety. Let 40, 50 cm.; harmer. Entirely new, introduced by us last year, having very fine staying qualities. Three to four feet high, large, long, scimitar-shaped pods closely packed. High-Charmer.

tion, and a superior eropper, bearing larger pods thau the other early sorts, and lawing from 6 to 9 and having from 6 to 9 large Peas in a pod. The vines are from 10 to 12 inches high, and of robust

habit; per qt., 55 cents... King of the Dwarfs, new. (For description, SEE COLORED PAGES.) Per quart, 80 cents..... 15 Premium Gem.

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great improvement over the Little Gem. A very fine Dwarf variety, 15 inches high; 50 cents per quart; per pkt.



AMERICAN WONDER.

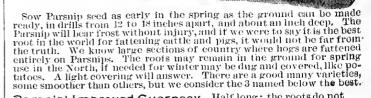
Horsford's Market Garden, is a new wrinkled variety of superior quality. Growing from fifteen to twenty inches in height and very stocky: it requires no brushing. It is extremely prolific, bearing its pods in pairs; per quart, 45 cents......

LATER CROP.

Peas, Champion of England, an old standard variety, pop-
ular everywhere; one of the richest and best flavored Peas
grown; five feet in height; per quart, 45 cents
Yorkshire Hero, a very fine, large, dwarf, wrinkled variety,
of good quality and productive; per quart, 45 cents
Telephone, a new wrinkled variety; a good eropper, bearing
immense pods full of large Peas of exquisite flavor; per qt., 60c.
Pride of the Market is a strong grower, eighteen to twenty-
four inches in height and immensely productive. Pods large and
handsome, and the Peas of fine quality; per quart, 55 cents
Bliss' Abundance, a new and remarkably productive varie-
ty; plant about 18 inches in height; pods 3 inches long; Peas
large, wrinkled, and of superior quality; per quart, 45 cents
Bliss' Everbearing, a new, late, wrinkled sort, about 30 Inches
high; very robust, bearing heavy crops of large, well-filled pods;
Peas of excellent flavor. Owing to the branching habit of the
plant, the Peas should be planted 6 inches apart; per quart, 45 ets.
Tall White Sugar, four feet; edible pods; per quart, 55 ceuts,

OTHER STANDARD VARIETIES. Carter's First Crop. Tom Thumb. Dwarf Gray Sugar. Kentish Invicta. Alaska. Little Gem. Tom. Laxton's Alpha. Dwarf
dt. White Marrowfat. Blue Peter. Li McLean's Advancer. La Black Eyed Marrowfat. Each, 45 cents per quart; 25 cents per pint; 10 cents per pkt.

PARSNIPS.



Parsnip; Improved Guernsey. Half long; the roots do not grow so long as the Hollow Crown, but are larger in diameter and more easily gathered; smooth, fine grained and of most excellent quality; per lb., 80 cents; oz., 10 cents.

Long Hollow Crown, one of the very best Parsnips grown, either for stock or the table; per lb., 80 cents; oz., 10 cents.

Carter's New Maltese, claiming improvement over old sorts; per lb., 80 ceuts; oz., 10 cents.

PEPPER.

Sow the seeds early under glass, or in the open ground in warm weather; transplant when three inches high.

Pepper, Ruby King, a handsome and very productive variety; fruit 4; to 6 inches long by 3) to 4 inches broad. When ripe they are bright ruby-red; remarkably mild and pleasant; per ox., 40 cents; ½ onnee, 25 cents...

Golden Dawn, a new variety, resembling the Large Bell in shape, but more delicate in flavor, and the color is a rich golden yellow; per ounce,

more deflecte in havor, and the color is a rich golden yellow; per ounce, 30 cents; ½ ounce, 20 cents.

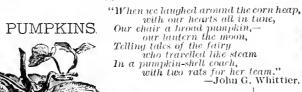
Large Bell, or Bull Nose, very large—nearly four inches long and three inches in diameter; glossy red; per oz., 30 cents; ½ oz., 20 cents...

Sweet Mountain, or Mammoth, much like Bell, perhaps a little larger; per ounce, 30 cents; ½ ounce, 20 cents... Long Red, beautiful and productive, four inches long, flesh thick and

pungent; per onnce, 30 cents; ½ onnce, 20 cents..... OTHER STANDARD VARIETIES.

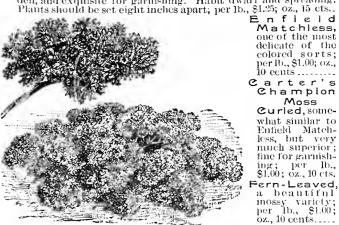
Tomato-formed Yellow. Monstrous, or Grossum. Cayenne, Long Xellow. Cherry-formed. Red Chili. Tomato-formed Each, 30 cents per onuce; 20 cents ½ onuce; 5 cents per packet. Tomato-formed Red.

> Red Cinster. Each, 40 cents per ounce; 25 cents ½ onnce; 5 cents per packet.





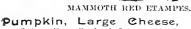
Parsley, "Beauty of the Parterre." The most beautiful of all the Paysleys. Fine for lines and edgings in the flower garden, and exquisite for garnishing. Habit dwarf and spreading.



per lb., \$1.00; oz., 10 eents Carter's Champion

Moss Curled, somewhat similar to Enfield Match-Enfield Match-less, but very nuch superior; fine for garnishing; per lb., \$1.00; oz., 10 ets. ern-Leaved, beautiful mossy variety; per lb., \$1.00; oz., 10 cents....

Giant Curled, very large growth; finely Curled; per lb., \$1.00; oz., 10 cents... Hamburg, or Large Rooted. The roots are used for flavoring soups; per lb., \$1.00; oz., 10 cents.



flat, yellow-lleshed, fine-grained, productive; per lb., 80 cents; oz., 10 eeuts....

Cushaw, or Crook-Neck solid flesh, five and sweet; keeps well; per lb., 80 ets.; ox., 10 ets., Sugar, small, but fine grain, and

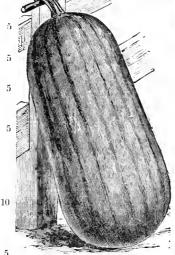
very sweet; fine for table use; per lb., 80 cts.; oz., 10 cts.

Large Tours, or Mammoth, grows to an immense slze, often weighing over 100 lbs.;

per 1b., \$1.00; oz., 10 cents..... Golden Oblong. In color a rich golden orange. Excelling as a pie pumpkin. Is a good keeper and wonderfully prolitic, bearing from 12 to 14 good Pumpkins on one vine; per lb., \$1.50; oz., 15 cents

Mammoth Red Etampes, skin brilliant glossy red; flesh deep orange and very thick. Matures early; per 1b., \$1.00;

GOLDEN OBLONG. Large Yellow Mammoth. The largest of all Pumpkius. Round in shape, flattened at both ends. Desirable for exhibition purposes; per lb., \$1.00; oz., 10c... Connecticut Field, per b., 40 cents; oz., 10 cents.....



PARSLEY.

Parsley seed germinates very slowly; it should be started in a bed, if possible. For outdoor sowing always prepare the seed by placing in hot water to soak for twenty-four hours, in a warm place. When the plants are a fow inches in height set them in rows, three or four inches apart. Parsley lives through the winter, and seed may be sown in the antumn. Some of the Curled varieties are really beautiful for garnishing, and handsome enough for bouquet green.

RHUBARB.

The Rhubarb, or Pie Plant, is grown from divisions of the roots, and from seed. If seed is sown in a good, mellow soil, strong plants will be obtained in one year, and some entring may be done the second spring.



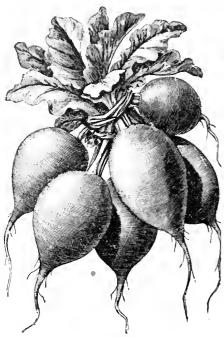
RHUBARB.

Linnæus, per oz., 20 eents Roots, per dozen, \$2.50; each

for delicious, tender Pie Plant. Pie Plant can also be grown in a tub in any corner of thb in any corner of the greenhouse, or in a light cellar. It will thrive under almost any treatment when the soil is rich and moist, and without much light.

Rhubarb, Myatt's Victoria, per oz... 20 cents... 5

per oz., 20 cents ...



RADISH.

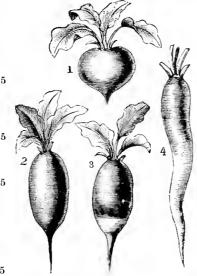
Radishes must make a rapid growth to be erisp and tender. For early use seed should be sown in the hot-bed, in drills, four or five inches apart and half an inch deep. For an early erop in the open ground select a sandy soil, and a warm south border, under the slichter of a fence or build. ing, if possible. A load of fresh, sandy loam from the woods is better than mamure for the Radish crop. As soon as the first leaves appear, sprinkle with soot or ashes to save from the little turnip fly. The Winter Radish should be sown about the middle of summer, and like the Turnip, makes its best growth in the autumn. Pitted out of doors, or buried in earth in a cool cellar, it will keep crisp all winter.

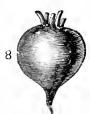
VICK'S SCARLET GLOBE.

Radish, Vick's Early Scarlet Globe. As a forcing Radish the Early Scarlet Globe has established a reputation as the leading sort—the best in every way. It is handsome in form and color—a beantiful oval and a rich scarlet. The amount of its foliage is small compared with other varieties and small for the size of the radisl. The peculiar merit of this variety as a forcing radish, is that it will bear the heat requisito for forcing without becoming

pithy or spongy. The flesh is crisp, tender, juicy and mild. It is equally as good for open garden culture as for foreing, and, therefore, it commends itself equally to the amateur and market gardener; per lb., \$1.00; oz., 10 cents.

Rose, Olive-Shaped, oval; very tender and excellent; an incl and a half long; fig. 2. Per lb., 70 ets.; oz., 10 cents.





French Breakfast or Scarlet, Olive-Shaped White Tip, very tender and beantiful; fig. 3. Per lb., 70 cents; oz., 10 cents....

White Olive-Shaped, like the other olive-shaped varieties in everything except color; per lb., 80 cents; oz., 10 cents.....

Wood's Early Frame. Similar to Long Searlet, but shorter, earlier, and better adapted for forcing. Perlb., 70 ets.; oz., 10 ets.

Scarlet Turnip, round, about an inch in diameter; skin searlet; flesh white; good; fig. 1. Per lb., 70 cents; oz., 10 cents

Early Round Dark Red, especially adapted for foreing, on account of its very small tap-roots and tops. It is also good for summer use in the open ground. Skin dark red: flesh white, erlsp and tender. Per lb., 70 cents; oz., 10 cents......



Radish, White Turnip, similar to preceding, except in color, less pungent; few days later; per lb., 70 cents; oz., 10 cents......

Yellow Turnip, similar to the above, except in color; per lb., 70 cents; oz., 10 cents.

Chinese Rose Winter, sow in summer, same as Turnips; flg. 9. Per lb., \$1.00; oz., 10 cents.

Long Scarlet Short Top, the favorite long market Radish everywhere; six or seven inches long; fig. 5. Per lb., 70 c.; oz., 10 c.

White Strasburg Summer, or White Hospital. A large, white, showy, half-long variety; matures quickly; a leading market variety in the larger cities; per lb., 90 cts.; oz., 10 cts.

Philadelphia White "Box" is superior and entirely distinct from any early white turnip radish. Remarkably short top, rapid growth, perfect turnip shape, extra fine quality, and showing no disposition whatever to become pithy with age. Its short top and rapid growth especially fit it for growing under glass. Per lb., \$1.50; oz., 15 cents.

Long White Vienna, or Lady Finger. The linest long white Radish grown. Beautiful in shape; skin and flesh snow white; crisp and tender in summer. Per lb., 90 ets.; oz., 10 eents. Long White Naples, a beautiful, long, clear white Radish, tinged with green at the top; excellent for a late Radish; fig. 4.

Per lb., 70 cents; oz., 10 cents

Beckert's Chartier, a distinct variety; color red at the top, shading to pink in the middle, and passing into pure white. It attains a large size before becoming untit for use. Per lb., 90 cents: oz. 10 cents

cents; oz. 10 cents.

Black Spanish Winter, Round, fig. 8. Per lb., 70 cents; oz., 10 cents.

oz., 10 cents.

Black Spanish Winter, Long. Per lb., 70 ets.; oz., 10 ets..

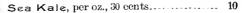
Large White Spanish Winter, per lb., 70 ets.; oz., 10 ets..

California Mammoth White Winter, is really a Chinese

Radish, grown by the Chinese in California; 8 to 12 inches long, and from 2 to 3 inches in diameter; white, solid and good flavor; fig. 6. Per lb., \$1.00; oz., 10 cents

SEA KALE

Sea Kale is a favorite in many parts of Europe, and the flavor is somewhat like Asparagus, but thought to be better. The part caten is the young shoots that appear in the spring, and they are not good until blanched. Sow in the spring, and plant out like Cabbage. During the summer the plant will make a slender growth. The plant being perennial, young shoots appear the second spring, and these are covered with earth to blanch, or with a flower pot; and if it is desired to force them, cover the pot and earth around with fresh manure.







SQUASHES.

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THE SQUASHES are of tropical origin, and therefore it is useless to plant them until the soft is quite warm, and all danger of frost or cold nights is over; and as they make a very rapic growth there is no necessity for haste in getting the seed into the ground. Squashes are good feeders, and like a rich soil; it is best to mamure in the hill. Sow a dozen seeds in each hill, and when danger from "hugs" is over pull up all but three or four. A mellow, warm soil is best. For bush sorts, make hills three or four feet apart, and for the running kinds twice this distance. Squashes are in two classes, Summer and Winter. The Summer are used when young and tender, and the Winter, when well ripened, will usually keep till spring. Our engravings show the Essex Hyund and also the two best Summer Squashes, All Winter Squashes should be ripened thoroughly or they are watery and lack sweetness and richness, and will not keep through the winter. The sheal of the Hubbard when ripe is as lard as a Cocoanut shell.



SHIP'S COOK

SUMMER CROOK NECK. Squash, Early Bush Scollop, a good, early Summer Squash, taking but little room, and bearing abundantly; plant in hills three feet apart; white or yellow, per lb., 90 cents; oz., 10 cents.

Early Bush Crook-Necked, the richest Summer Squash; very early and productive; plant in hills four feet apart; per lb., 90 cents; oz., 10 cents.

Mammoth Summer Crook Neck, double the size of above; same price

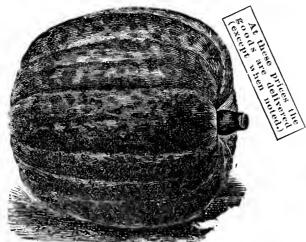
Hubbard, the standard Winter Squash, and a general favorite;



no better variety grown; more generally cultivated as a late sort than any other; flesh fine grained, dry and of excellent flavor; almost as good as the Sweet Potato; per lb., 90 cents; oz., 10 cents.

Essex Hybrid, or Hard Shell Turban. A cross between the Hubbard and American Turban, having the color, shape and fine quality of the Turban, with the dryness and hard shell of the Hubbard. A good keeper; flesh very thlek, fine grained

and solid; very productive; very early, and of rapid growth; per lb., 90 cents; oz., 10 cents.



MAMMOTH CHILL

Sibley, or Plke's Peak. A very distinct and valuable variety. Shell pale green, very hard; flesh solid and thick, orange color, and of a rich and delicate flavor; per lb., \$1.00; oz., 10 cents

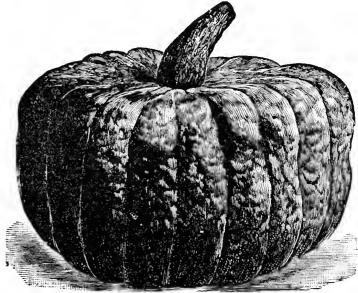
Improved Boston Marrow, a good, tender, rich variety, for fall and winter; per 1b., 90 cents; oz., 10 cents.

OTHER STANDARD VARIETIES.

Perfect Gem. Marblehead. Winter Crook Neck.

Turban, or Turk's Cap.
Bay State.
k. Mammoth Chili.
Improved Orange Marrow.

Each 90 cents per lb., 10 cents per oz., 5 cents per packet.



ESSEX HYBRID.

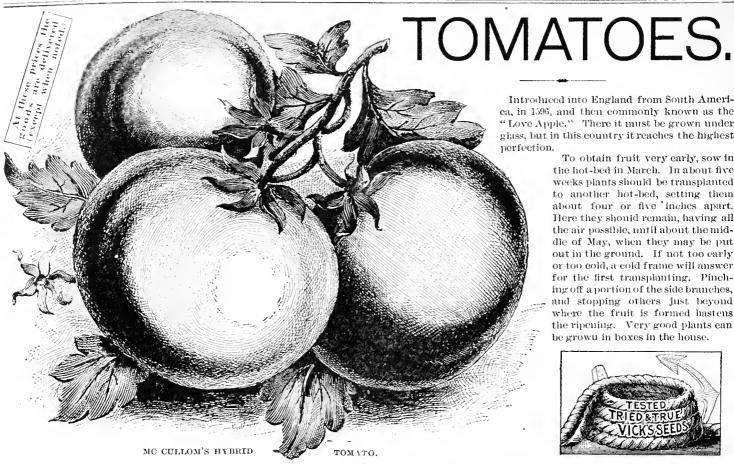
SALSIFY

Salsify, or Vegetable Oyster, is eonsidered by many a delicions vegetable, in fact, a great luxury, and is used for soups, also boiled, fried, etc., and possesses the flavor of the oyster for which it is sometimes used as a substitute. The enlture is the same as for Carrots and Parsnips, but it flourishes best with longest, smoothest roots, in a rather light or mellow soil that has been well pulverized to the depth of eighteen inches. Sow early in the spring, in drills, a foot or more apart, covering the seed not more than two inches in depth. Thin out to six inches apart. Put seed in the ground as early as possible in the spring. A portion of the erop may remain in the ground all winter, like the Parsnip,

Black, or Scorzonera, a black variety, with a somewhat bitter root, not much used at present; per oz., 30 cents



In ordering your Vegetable Seeds, don't forget a liberal supply of flowers to beautify the home garden. See Novelty pages and elsewhere,



Introduced into England from South America, in 1596, and then commonly known as the "Love Apple." There it must be grown under glass, but in this country it reaches the highest perfection.

To obtain fruit very early, sow in the hot-bed in March. In about five weeks plants should be transplanted to another hot-bed, setting them about four or five inches apart. Here they should remain, having all the air possible, until about the middle of May, when they may be put out in the ground. If not too early or too cold, a cold frame will answer for the first transplanting. Pinching off a portion of the side branches, and stopping others just beyond where the fruit is formed hastens the ripening. Very good plants can be grown in boxes in the house.



Tomato, McCullom's Hybrid. A strong, robust grower, and in productiveness is equal to the most prolifie. The fruit is large, smooth, slightly flattened, no wrinkles, very solid, brilhant searlet in color, ripens evenly, thoroughly, and all over. It is very early. The quality is excellent. It is recommended without reserve. Per oz., 40 eents; half oz., 25 eents

Hathaway's Excessior, early, medium to large, smooth as an apple; very solid, and of excellent quality every way; one of the best Tomatoes we have ever grown; per oz., 30 cents; † oz., 20 eents

Dwarf Ghampion, new; dwarf and compact in habit, the plant growing stiff and upright, with very thick and short-jointed stems. Can be planted as close as three feet; will bear very heavy manuring. As a cropper, it is probably unsurpassed; and will, owing to the small amount of space required between the plants, yield more to the aere, if not even more stalk for stalk, than any other variety. Per oz., 30 eents; ½ oz., 20 cents; packet......

Atlantic Prize, or Early Ruby, originated in New Jersey. Possesses extra good qualities; extremely early; vines vigorous and strong; fruit borne in immense elusters; per oz., 40 cents; ‡ oz., 25 eents

Ignotum. Fruit of good size, smooth, firm and very solid; deep red in color; containing few seeds. It is both early and productive, ripens perfectly up to the stem, and is remarkably free from eracking or rotting; per oz., 30 cents; ½ oz., 20 cents

Acme, a fine, solid, smooth, early variety, medium size, red, with a purplish tinge. It has become quite popular; per oz., 30 cents; ⅓ oz., 20 eents.....

Livingston's Favorite is a very large and perfect shaped Tomato, smoother than the Paragon, darker red than the Perfeetion; ripens evenly; very prolifie; good flavor; flesh solid; bears shipping long distances; per oz., 30 cents; ½ oz., 20 cents

OTHER STANDARD VARIETIES.

Livingston's Beauty. Volunteer. Long-Keeper. Livingston's Perfec-Paragon. Mikado. tion. Optimus. Trophy. Large Yellow. Conqueror. Tree Tomato. Phim - Shaped (Yel-Cherry-Shaped (Yel- Pear-Shaped. low and Red). Strawberry, or Winter Cherry. 30 eeuts por ounce; 20 eents one-half ounce; 5 eeuts per packet.

No plant will bear training better than the Tomato, and they can be unide very pretty. We have described below the very best varieties in the world, and none that do not possess some merit.

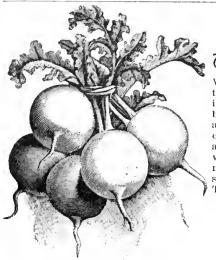
Tomato, Livingston's New Stone. Ripens for main erop; is very large, and of bright scarlet color; very smooth, with occasionally a specimen slightly octagon shaped; ripening even to the stem without a erack; exceedingly solid and firm-fleshed (as its name indicates); is an excellent shipper; quality the very best; a good keeper; without hard eore; not subject to rot; its appearance on market remarkably attractive; a heavy variety; its vines and foliage rank and robust, heavily loaded with very uniform specimens of fruit. We believe it to be the coming Tomato for market gardeners and truckers. Per lb., \$5.00; oz., 40 cents; ‡ oz., 35 eeuts.....

SPINACH.



Sow in the autumn for spring use, iu good drained soil, in drills a foot apart. As soon as the plants are well up, thin them to about three inches apart in the rows. Covering with a little straw or leaves before winter is nseful but not necessary. For simmer use sow as early as possible in the spring. To raise

Spinach in perfection the soil should be rich. Spinach, New Thick-Leaved, a fine market sort. Leaves large and thick, and somewhat erumpled. Does not run to seed as early as other varieties; per lb., 40 eents, oz., 10 cents.... Round, or Summer, for spring sowing; per lb., 40 cents; oz., 10 eents.... Bloomsdale Savoy-Leaved, the earliest variety; eomes quickly to a suitable size for use, but soon runs to seed; per lb., 40 cents; oz, 10 cents..... Prickly, or Fall, hardiest and best for fall sowing; per lb., 40 eents; oz., 10 eents..... New Zealand, very large and luxuriant; endures drought well and produces a large quantity of leaves; plants should stand at least two feet apart; per lb., 90 cents; oz., 10 eents.....



EARLY WHITE SIX WEEKS.

TURNIPS.

THE soil for Turnips should be rich and mellow. Sow in drills, from twelve to eighteen inches apart, and half an inch deep, When the plants are a few inches in height, and strong enough to resist the altacks of insects, thin them out to some five or six inches apart in the drills. Swede, or Ruta Baga Turnips should be sown by the first of June, the rows being about eighteen inches apart, and the plants in the rows not less than ten inches. The common, or English Turnip, comes to perfection in a short time, and if the weather is showery in the Autumn will mature if sown very late. In this elimate we sow from the 25th of July until the middle of August. The Ruta Bagas are excellent for all kinds of stock, and are relished by all. Every farmer should grow this

Turnip, Strap-Leaved, White Top,

roundish of medium size: one of the best, either for market or family use; per lb., 60 cents; oz., 10 eents..... 5

Strap-Leaved, Purple Top, similar to above, purple above

Purple-Top Globe. An improved variety of the purple-top tlat turnip. Globular in shape, of fine appearance, a good keeper, of excellent quality and equally desirable for table or stock. Per lb., 60 eents; oz., 10 cents.



WHITE-TOP STRAP-LEAF.

Extra Early Milan, new white variety, purple-top and strap-leaf. It is full as early as the purple-top Munich, and far superior to that variety. Remains in good condition a long time; per lb., 80 cts.; oz., 10 cts. 5

Early Snowball, Small, solid, sweet, of remarkably quick growth; per lb., 60 eents; oz., 10 cents ... 5

Early White Slx Weeks, very early and fine; per lb., 60 cts.;

New White Egg, a very excellent variety, nearly oval, or eggshaped; llesh lirm and fine grained, and of snowy whiteness; partleularly desirable for the table; can be sown as late as the middle of August; per lb., 60 cents; oz., 10 cents.....

Turnip, Orange Jelly,

a very beautiful yellow

PURPLE TOP SWEDE. Turnip, one of the very best yellows for the table; per lb., 70 ets.;

ox. 10 cents

Sweet German. This celebrated Turnip is white, sweet, a long-keeper, and generally solid until midsummer. It should be sewn as early as the Swedes; per lb., 60 cents; oz., 10 cents

OTHER STANDARD VA-RIETLES.

Early Yellow Datch. Early White Flat Dutch.

Early Purple Top Munich.

Early White Stone.

Early Yellow Stone.

White Globe.

White Norfolk.

Jersey Navet.

Long White Cow Horn,

Yellow Globe.

Purple Top Yellow Aberdeen.

Seven Top.

Each, 60 cents per lb.; 10 ets. per ounce; 5 ets, per pkt,

WHITE SWEDE.

RUTA BAGA, OR SWEDE TURNIPS.

Ruta Baga, or White Swede, a large, white, solid Swede,

OTHER STANDARD VARIETIES.

White Red Top. Lang's Purple Top. Skirving's Liverpool. Hall's Westbury. Green Top. Each, 60 eents per lb.; 10 eents per oz.; 5 eents per packet.

"Sweet fragrance all the herbs exhale, And sweetly, softly blows the gale."—Heine. USEFUL HERBS. "Herbs, and other country messes, Which the neat handed Phyllis dresses,"—Milton.

FEW Pot Herbs and Sweet Herbs should have a place in every vegetable garden. Every cook and every good housekeeper knows the value of the hitle patch of herbs upon which she makes daily drafts in the summer, and which furnishes such a nice collection of dried herbs for winter seasoning, without which the Thanksgiving turkey would be scarcely worth the having; while as domestic medicines several kinds are held in high repute. A very small space in the garden will give all the herbs needed in any family. The culture is very simple; and the best way is to make a little seed-bed in the early spring, and set the plants out in a bed as soon as large enough. As a general rule it is best to cut the herbs when in flower, tie them up in small bunches and hang in the shade to dry. We give a list of the herbs generally cultivated and prized. Of some kinds we furnish roots, as will be seen below. Anise per lb \$1.00; per ounce 10 c

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	Fennel, Large Sweet, per ounce, 10 ets	5	1
	Hoarhound, per ounce, 50 cents	5	١
	zrop Seed, per onnee. \$150	25	Ì
	11 yssop, per ounce, 30 cents	5	ı
	- Lavender, ber onnee. 20 eents	Š	ı
	Marjoram, Sweet, per opnce, 25 cents	5	ı
	- Nigeria sauva, (All Spices), per oz. 10 ets.	5	1
	Kosemary, per onnee, 50 eents	5	1
	nue, per ounce, 20 cents	5	İ
	Sauron, per onnee, is cents	5	١
	- Sage, Der ID., \$1.50: per oppee. 15 cents	5	١
	Savory, Summer, per ounce. 15 cents	5	1
	Savory, Winter, per ounce, 25 cents	5	Į
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Sorrel, French, per onnee, 20 cents	5
Tansy, per onnce, 30 cents	5 5
Tarragon, per ounce, \$4.00	20
Thyme, Broad-Leaved English, per oz.,	
30 cents	5
Summer, per ounce, 30 cents	5
Winter, per onnee, 30 cents	- 5
Wormwood, per ounce, 30 cents	5
Sage, roots, by mail, per doz., \$2.00; each	20
Rosemary, roots, by mail, per doz., \$2.00;	
each	20
Lavender, roots, by mail, per doz., \$2.00;	~0
each	90

HEDGE SEEDS.

Those who wish to have hedges, and are not In too much haste, can grow their own plants by sowing seed in drills, pretty thickly, and keeping the ground clean and mellow for one summer. Before sowing soak the seed in warm water for twenty-four hours.

Honey Locust, per lh., by mail, 40 ets.;
100 lbs., delivered on board ears....\$20 00
Osage Orange, by mail, per lb.......\$60

FIELD LUPINS.

Popular for soiling and for sheep. Sow in the spring and plow under when in flower.

Lupin, White, considered the best in most respects; per lb.	30
Yellow. A little less thrifty than the White, but keeping green longer; per lb.	30
Blue, somewhat used for soiling, but not yet so well known; per lb.	

BROOM CORN.

The Evergreen is the favorite Broom Corn. and we think our stock is as pure as any. Evergreen, per quart..... 40

RAPE.

Dwarf Essex. Excellent for sheep fodder. 20 ets. per lb., postage paid; \$8,00 per 100 lbs., freight.

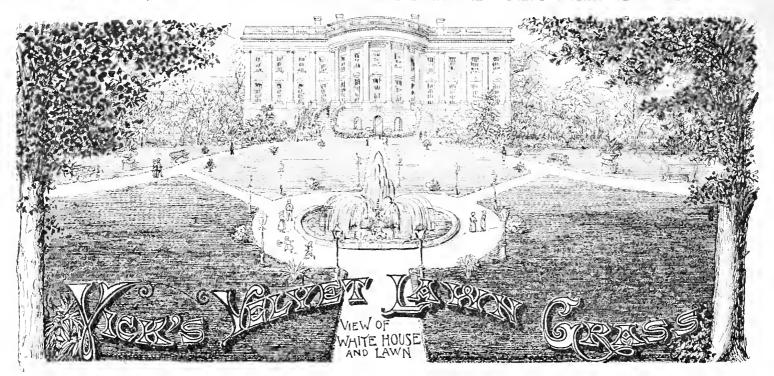
SUGAR CANE.

The Early Amber seems to be far the best variety for the production of Syrup and Sugar, and is grown and used extensively, particularly Early Amber Sugar Cane, per quart 40

TOBACCO.

Connecticut Seed Leaf, per oz., 25 cents... Havana, or Cuban, per oz., 30 ceuts.....

LAWN, AND OTHER GRASS AND CLOVER SEEDS.



Nothing is pleasanter about a house than a good lawn, and nothing is more easily made and kept in order by a little well directed care. To get Grass Seed up quickly and evenly, the surface must be mellow, so that it will not lake after a rain. If the soil is clayey, after sowing the Grass Seed cover the surface with a light conting of manure, which may remain, except a little of the coarsest. Four bushels of Grass Seed for an acre are required to make a good lawn in a short time; for small plats, five quarts to six square rods, or about one quart to a square rod, should be sown. Sow Grass Seed for lawns as early as possible in the spring, so as to give seed the benefit of early spring rains. Late sowing is seldom successful. It is better to wait until September than to sow after warm weather has commenced. The best single kind is Kentucky Blue Grass. To four bushels of this (per acre) add White Clover and Sweet Vernal Grass, about two pounds of each, and this will make an excellent lawn. Our preparation of Lawn Grass contains Blue Grass, White Clover, and Sweet Vernal Grass, and other very choice and fine Lawn Grasses, and is, we think, the very best preparation possible for our hot and dry summers, as we have been long making experiments to ascertain flus fact. At the price per bushel and peck we deliver to Express Company here or on board cars. No charge for bags or packing. By quart and pound we prepay postage.

Vick's Velvet Lawn Crass. A pure, heavy and clean seed, which will make, as its name implies, almost a velvet lawn surface. It is the finest mixture ever offered to the public, and will stand winter and shows constantly a deep rich green. For quantity required for lawn, see notes above. Price, bush. \$4.00; peck, \$1.10; qt. 25 Kentucky Blue Grass (Poa pretensis). The best of all our Lawn Grasses. In conjunction with White Clover it forms the finest and closest turf. As a pasture grass it furnishes the most nourishing food for cattle of any, until winter; thrives on a variety of soils, but does best in dry and somewhat shady localities. Four bushels for lawn purposes and 1½ bushels per acre for pasture. Extra clean, 100 lbs., \$28.00; bushel (14 lbs.), \$3.50; peck, \$1.00; qt. Rough Stalked Meadow Grass (Poatrivialis). One of the most valuable grasses to cultivate in moist, rich, sheltered soils. 20 pounds to the acre. Per 100 lbs., \$40.00; per pound_____ Poa annua, a short, pale green grass, and will do with less cutting than other varieties; per pound..... Creeping Bent, or Florin (Agrostis stolonifera). Desirable for mixing with other lawn or pasture grasses, as it thrives in moist land, on which water does not stagnate. (15 lbs, to bushel), 1 to $1\frac{1}{2}$ bushels per acre. Per 100 lbs., \$20.00; per pound.... Red Top (Agrostis rulgaris). Valuable as a mixture in either lawns, pastures, or meadows, growing in almost any soil, moist or dry. For lawns, 3 bushels, for pasture, 11 to 2 bushels per acre. per 100 lbs., \$6.00; bushel (14 lbs.), \$1.50; peck, 40 cents; pound..... Crested Dog's-Tail (Cynosurus cristatus). Useful for sheep pastures, on dry, hard soils; one of the grasses used for lawn grass mixtures. 25 lbs. to the acre. \$35.00 per 100 lbs.; per pound. Sweet Vernal Grass, TRUE PERENNIAL (Anthoxanthum odoratum.) The chief merit of this grass lies in its fragrant odor, which the leaves emit when partially dried. Per lb., \$1.10; per onuce.... Common Sweet Verual, per lb., 40 cents; ounce..... Fowl Meadow Grass (Poa scrotina). Suitable for low, moist land. May be moved any time from July to October. Always sweet and tender, eattle and sheep are fond of it. Succeeds best when mixed with other grasses. I to 11 bushels to the acre. Per

100 lbs., \$20.00; bushel (12 lbs.), \$2.70; peek, 80 cents; pound......

Tall Meadow Oat Grass (Avena elatior). Valuable for pasture on account of its early and luxuriant growth. The most promising for replacing prairie grass at the west. Four bushels to the acre. 400 lbs., \$20.00; bushel (13 lbs.), \$3.00; peck, 85 cts.; pound 40 Orchard Grass (Dactylis gloucrata). One of the very best pasture Grasses, as it is exceedingly palatable to stock, and will endure a good deal of cropping. 11 to 2 bushels per acre. Per 100 lbs., \$13.00; bushel (14 lbs.), \$2.20; peek, 60 cents; pound.... Perennial Rye Grass (Lolium perenne). Valuable for permanent pasture, in mixture with other pasture grasses. Succeeds best on moderately moist land. 1½ to 2 bushels per acre. Per 100 lbs., \$7.00; bushel (24 lbs.), \$2.00; peek, 60 cts.; pound ... Italian Rye Grass (Lolium Ralicum). Used in Europe for soiling. Gives an early, quick, and successive growth, till late in fall. Recommended for use in pasture mixtures. 2 bushels to the acre. Per 100 lbs., \$8.50; bushel (about 18 lbs.), \$1.80; peek, 55 cents; pound ... Meadow Fescue (Festuca pratensis). An excellent pasture grass. Its long and tender leaves are much relished by eattle. Should be sown in mixture with other grasses, as Orehard Grass, Rye Grass or Kentucky Blue Grass, 40 lbs. to the acre. Per 100 lbs., \$16,00; bushel, \$4.00; peck, 55 cents; pound...... Timothy (Phleum pratense). A field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils, it will produce more than any other sort. I to ! bushel per acre. Per bushel (45 lbs.), market price, pound, by mail 25 Hungarian Grass (Panicum Germanicum). One of the most valuable annual soiling plants. It will grow in any ordinary soil, withstands drought remarkably, and may be sown as late as first of July, and produce a large green crop. It bushels to acre. Per bushel (48 lbs.), \$1.50; peck, 60 cents; pound German or Golden Millet. A medium early forage plant, prolific of both stalk and grain. 25 lbs. to acre. Per bushel (50 lbs.), \$1.50; peck, 60 cents; pound Johnson Grass (Sorghum Halepeuse). Popular in the Southern States, where it is considered one of the most valuable forage plants of recent introduction. One bushel to the acre. Per 100 lbs., \$14.00; per bushel (25 lbs.), \$4.00; per peck, \$1.25; per pound... 30 Crass Mixtures for permanent pastures made to order.

" Summer came, the green earth's lover, Ripening the tuffed clover."—Mrs. Nichols,

CLOVER.

"Il"hat airs outblown from ferny dells And clover-bloom and sweet brier smells."-Whittier.

White (Trifolium repens). Valuable for mixing with lawn grass, and should be in every mixture for permanent pasture. Per 100 pounds, \$25.00; per pound, by mail, 40 cents; onnce... 10 Medium Red (Trifolium protense). Excellent for pasturage or hay; valuable as a green manure, and should be in all grass mixtures. 8 to 10 lbs, per acre when sown alone. Per bushel, market price; per pound, by mail..... Mammoth Red (Trifolium pratense). Used largely for plowing mider for manure. Its stalks are so coarse, that stock will cut only the leaves, but by its judicious use, exhausted lands can be reclaimed, as it will grow where common clover will fail. 8 pounds to the acre. Per bushel, market price; per ponud, by mail..... Alsike, or Swedish (Trifolium hybridum). Thrives in rich moist soil. Does not succeed on high dry lands. Six pounds per acre.

Per 100 pounds, \$18.00; per pound, by mail, 40 cents; per ounce.

Scarlet or Crimson (Trifolium incarnatum). An animal varicty, in common use in Italy and the south of France for feeding green. It furnishes very early fodder. Eight pounds to the acre. Sweet, or Bokhara (Melilotus alba), pound, 50 cents; per oz. ... 10 Alfalfa or Lucerne (Medicago satira). Where this succeeds it is the most valuable of all the clovers; but it is difficult to secure a good stand, as it requires a very line, mellow, deep soil. Per 100 Sainfoin (Onobrychis satira). A perennial belonging to the same family as Clover and Lucerne, used in France as a forage plant. Requires a calcarcons soil. 4 builels to the acre. (About 26 pounds

STANDARD VARIETIES OF SEED GRAIN. ETC.

At pound or quart prices we prepay postage. Pecks or bushels by Express or Freight at expense of purchaser. Special prices on large quantities.



NORTH.

FIELD CORN.

Champion White Pearl. Anew early, thorough-bred, white dent Corn, from Illinois. It ripens in 90 to 100 days ધ from time of planting. The grain is

large and cob small, makes a good sized ear, averaging sixteen rows of grain. Per quart, 40 cents; per peck, 65 cents; per bushel, \$2.00.

Golden Beauty. Ears perfect in shape, 10 to 16 rows, grains very large, filled out to the extreme end of the cob; very productive. Per quart, 40 cents; peek, 65 cents; bushel, \$2.00.

Improved Learning. Stalks of good size, setting two large handsome ears. Keruels very deep, orange color; cob very small. Per quart, 40 cents; peck, 65 cents; bushel, \$2.00.

Chester County Mammoth. Well adapted to Southern and Western States. It is a Yellow Dent variety; extremely prolific. Per quart, 40 cents; peek, 65 cents; bushel, \$2.00.

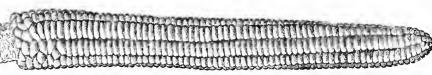
Pride of the North. Yellow dent, 16-rowed; cob very sumil and red; kernels closely set upon the cob. above medium size, and of deep orange color. Stalks medium size. The earliest of the dent varieties. Per quart, t0 cents; peck, 65 cents; bushel, \$2.00.

King of the Earliest. One of the best of the yellow dent varieties, very productive and ripens ex-

tremely early, hence succeeds admirably far north. Per quart, 40 cents; peck, 65 cents; bushel, \$2.00.

Angel of Midnight. A new extra early yellow flint 8-rowed variety. Ear 10 to 12 inches long, perfect in shape, and filled from tip to tip. Per quart, 40 cents; peck, 75 cents; bushel, \$2.50.

Longfellow. An early 8-rowed yellow limt variety. Ears from ten to lifteen inches long, and lifled out to tip of eob; cob small; kernels large and broad. Per quart, 40 cents; peek, 65 cents; bushel, \$2.00.



LONGFELLOW.

BARLEY.

Hullless. Heads long and well filled with plump heavy kernels, Hull-less, like wheat when threshed. Ripens early, and yields about 10 bnst,-els more per acre than other Barleys. Makes a very sweet, wholesome flour, excellent for combining with wheat or rye flour, or corn ment. Should be sown ou rich, gravelly, warm upland. Per pound, 25 cents; three pounds 60 cents; pock 75 cents; husbel \$2.50. Hullless. three pounds, 60 cents; peck, 75 cents; bushel, \$2.50.

Mansbury, 4-rowed. Heads are long and drooping; straw bright and very strong; does not lodge on richest ground. Per pound, 25 ets.; three pounds, 60 cents; peck, 65 cents; bushel, \$2.00.

OATS.

Vick's American Banner. After thousands of trials in all parts of the country, its fame is higher and more secure than ever before, in fact it stands as the Banner Oat. An average of 80 pounds has been raised from one pound of seed and 100 bushels from an acre. The grain is white, large and plump, ripens early, has a still straw of good length. It tetters freely and throws up a large number of stems, and therefore can be sown thinner than ordinary oats.

Prices, postpaid, per pound, 25 rts.; per three pounds, 60 cts. By express or freight, at expense of purchaser, per peck, 50 cts.; per bushel. \$1.50; per five bushels, \$7.00. For larger quantities, special prices on application.

SPRING RYE.

Pound, 25 cents; 3 pounds, 60 cents; peck, 65 cents; bushel, \$2.00.

BUCKWHEAT.

New Japanese. The yield of this new variety is largely in excess of the oid one. The straw is heavier and more brunching, kernels twice the size of the old kind, ripening a week earlier, while the flour made from it is fully equal to that of any other variety. Per pound, 25 cts.; three pounds, 60 cts.; peck, 60 cts.; bushel, \$1.50.

SEEDS IN BULK.—In the following list we quote prices for seeds by the bushel, peck, and quart, when sent by railroad or express AT THE EXPENSE OF THE PURCHASER. We deliver them at express offices or railroad depots at these rates, bags, packing, and cartage free; but in no case can we prepay the charges, unless the amount has been previously advanced to us for that purpose. On all Seeds not included in this list, ordered by Express or Freight, the purchaser may deduct 10 cents per pound from the prices given in the preceding pages.

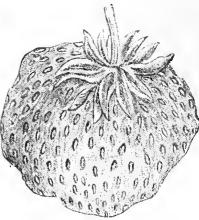
London Hortie'l, or Cramb'y, \$\frac{30}{30} per quart, peek, bush, b'y,\$ 30 \$2.25 \$8.00 30 2.00 7.50 per quart. peck. bush\$ 25 \$1.60 \$6.00 BEANS. \$8 00 7 50 Blue Peter \$6 00 --**--**-----\$ Tom Thumb Bliss' American Wonder... McLeun's Little Gem.... 30 1 60 6.00 per quart, peck, bush, \$30 \$1.75 \$7.00 \$1.75 \$7.00 \$1.75 \$7.00 \$7 00 7 00 7 00 McLean's Little Gem. Laxton's Alpha McLean's Advancer. Horsford's Market Garden. Bliss' Everbearing. Bliss' Abundance Yorkshire Hero Champion of England. Telephone. Pride of the Market. Black-eyed Marrowfat. White Marrowfat. 50 5.50 SWEET CORN. 60 6 00 75 75 35 Ne Plus Ultra 1.60 6.00 6.00 60 $\frac{4}{2} \frac{00}{50}$ 1 10 35 60 6 00 35 * 5.00 60 6 00 Refugee 35 35 5 00 5 00 7 00 7 00 2 50 2 50 35 5.00 PEAS. $\frac{1}{2} \frac{35}{50}$ $\frac{1}{1} \frac{85}{85}$ 35 King of the Garden Lima. Extra Early Lima. Deer's Improved Lima. 9 00 45 Viek's Extra Early..... $\frac{4}{4} \frac{50}{50}$ Alaska Carter's First Crop 2 60 10 00 75 75 10 3 10 2 60 10 25 White Marrowfat ... 12.00 10 00 Keutish Invieta Field, for sowing broadcast.



SMALL FRUITS.

" Our homestead flowers and fruited trees May Eden's orchard shame. We taste the tempting sweets of these Like Eve, without her blame. -John G. Whittier.

We pack carefully, and guarantee their safe arrival to destination, after which our responsibility ceases. All plants will { be sent by Mail or Express at the expense of purchaser, except as noted. The varieties offered are the best standard sorts in cultivation. Not less than 400 plants at thousand



SHARPLESS STRAWBERRY.

BUBACH STRAWBERRY.

STRAWBERRIES

OR field culture, plant in rows four feet apart, with the plants one foot apart in the row. For garden culture, plant three by one foot. Should the ground not be prepared for planting, on receipt of plants, they should be carefully heeled in, in a cool, moist, shady place. Do not sprinkle the foliage, as it causes a moisture to collect, which is very injurious to the crowns, causing them to rot. In setting the plants, be careful to have the crown even with, or a little above the surface of the ground, and to have the trench, or hole, in which the plant is to be set, deep enough to allow the roots their full length. Some varieties of Strawberries have pistillate or imperfect flowers. These must have perfect-llowered varieties planted every fifteen or twenty feet among them or they will produce imperfect fruit. The pistillate varieties are marked with the letter P.

Our Pot Grown Strawberry Plants are much stronger and come to bearing earlier than the ordinary kinds. They are well worth the double price, as they are all extra choice selected plants, and will fruit the first season.

At dozen prices we prepay postage: at 100 rates add 25 cents per 100 for mailing, if wished by mail. Pot plants by the dozen twice the rates

Strawberry, Bidwell, one of the best early, on heavy soil. Large, conical, bright crimson, excellent quality. Requires good culture. Price, 30 cents per dozen, 75 cents per 100, \$4.50 per 1000. Pot grown plants \$3.00 per 100.

Bubach, (P.) Large size, great producer, vigorous grower on rich soil and superior in quality. Ripens with Crescent. Bright, well colored

berries, of fine form, handsome in appearance and of line flavor. Price, 40 ets. per doz., 85 ets. per 100, \$5.50 per 1000. Pot plants, \$4.00 per 100. Burt. An Empire State berry, bright, well

formed, unusually firm, making a good shipper. Very productive, hardy and late. Price, 30 cts. per dozen, 75 eents per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per 100.

Crescent, (P.) Bright searlet, immensely productive, early and prolitable. Berries medium size, not the best for shipping long distance, but for near marketsa profitable variety. Price, 30 cents per dozen, 75 cents per 100, \$4.50 per 1000. Pagrown plants, \$3.00 per 100.

Cloud, (P.) Very late, ripens evenly, fruit bright scarlet; medium size, broadly coneshaped; flesh deep pink color; firm. Very productive and a vigorous grower; does best in the South. Price, 30 eents per dozen, 75 eents per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per 100.

Chas. Downing. An old and ever popular variety, from Maine to California. Fine flavor, very productive. Adapted to all sorts of soils and locations. Fruits in middle of season, Foliage rusts in some sections. Price, 30 cents per dozen, 75 cents per 100, \$4.50 per 1000. Pot grown plauis, \$3.00 per 100,

Cumberland. An excellent, though old variety. For size, beauty and productiveness it "The strawberry grows underneath the nettle, is misurpassed. Flavor line, plant vigorous, doing well anywhere. Price, 30 cents per dozen, 75 cents per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per 100.

Eureka, (P.) Planthealthy and vigorous. Berries large and handsome, bright crimson, flesh almost white; quality very good, sweet, very productive. Profitable for marketing. Midseason. Price, 40 cts. per doz., 85 ets. per 100, \$5.50 per 1000. Pot grown plants, \$4.00 per 100.

Jessie. Large size, handsome, regular form and desirable in some localities, while in others it has not proved so satisfactory. Stont and hixiriant in growth on rich soil; free from rust. Beautiful color, line quality, very productive, quite lirm. Price, 30 cents per dozen, 75 cents per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per 100. Strawberry, Jucunda. Large size, high color. Prolific bearer, healthy, vigorous growth. Sure to please. Price, 30 cents per dozen, 75 cents per hundred, \$4.50 per 1000. Pot grown plants, \$3.00 per 100.

Kentucky. Strong and vigorons, very productive, bearing berries high. Bright scarlet fruit, good quality, sweet, not adapted to long shipments, but valuable for a near market. Price, 30 ets. per dozen, 75 cents per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per 100.

Lovett's Early. A cross between Crescent and Wilson. prolific than the former and double its size. Color brilliant and as lirm as the latter. Ripens very early, earlier

than either of its parents. Very hardy and vigorons in growth. Price, 40 cents per dozen, 85 cents per 100, \$1.50 per 1000. Pot grown plants, \$4.00 per 100.

Michel's Early. Resembles Crescent, plant of very strong growth, with abundant foliage. Fruit firm and ripening early. A very satisfactory market berry in the South. Price, 30 cents per dozen, 75 cents per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per 100.

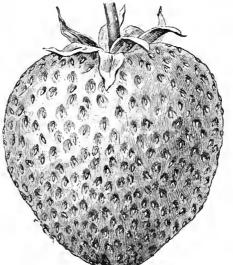
Parry. Fruit beautiful in color, of good quality, uniformly large. A strong grower. A seedling of Jersey Queen. Vigorous and productive, but requiring a heavy, rich soil and good culture. It commands a high price in market on account of its handsome appearance. Price, 30 cents per dozen, 75 cents per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per 100.

Sharpless. Very vigorous and productive, one of the largest known, fine llavor, and delicate aroma. Clear red, with smooth surface. This variety requires a rich, strong soil and good enlinee, and will repay extra care in cultivation when one has a market where fine fruit is appreciated. Price, 30 ets. per dozen, 75 ets. per 100, \$4.50 per 1000. Pot grown plants, \$3.00

Triomphe-de-Gand. Medium to late, very large, glossy crimson, lirm and of rich, sweet llavor. Fine for home use or near markets. A well known old variety which is always good and satisfactory. For the private garden there

is nothing superior either in quality or appearance. Price, 30 cents per dozen, 75 cents per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per

Wilson. The justly popular old market sort. Its good qualities have outlived hundreds of new varieties. To obtain best results, it should be grown on rich, heavy soil. This variety is yet largely raised for market purposes, and in the family garden it maintains a place especially for enlinary use, as it has no superior for canning. Price, 30 ets. per dozen, 75 ets. per 100, \$4.50 per 1000. Pot grown plants, \$3.00 per 100.



EUREKA STRAWBERRY.

SHAKESPEARE'S IDEA OF IT.

And wholesome berries thrive and ripen best, Neighbor'd by fruit of baser quality.'

-Henry V.

The above are strong, vigorous plants, and true to name. We do not substitute, as our stock is ample.



RASPBERRIES.

There are two general types of Raspberries and they require different treatment. Blackeaps and others that increase from the ends pf the canes should be planted 3 feet by 7 (2,04 plants to the arec. Prepare the land same

as for strawberries and mark off in rows 3) feet apart. Set the plants in every other row and plant potatoes, corn or beams half way between. Cultivate offen enough to keep the soil loose and free from weeds. When the cames attuin the height of 1 foot, pinch off the end. This causes the came to branch, grow stocky and self supporting. In the spring of the

bearing year entitlese branches back to within 6 inches of the main stalk. After fruiting ent out all of the dead wood. Red Raspberries and others that sucker should be set 5 feet apart each way, when they may be cultivated both ways. Allow only three or four canes in each hill to grow; treat all others that spring up as weeds. When three or four feet

P CLMER. spring up as weeds. When three or four Feet high pinel back cane same as with Blackeaps. The secret of ruising line crops of Raspberries is in rigorous pruning and keeping suckers down. If not checked the tendency is to mat the surface with



MARLBORO.

CURRANTS

2022

Choose a moist, rich soil for Currants. Plant 5 feet's apart each way. Keep from weeds and grasses by liberal cultivation and mulching. Use plenty of manure and trim out superlhous wood by entting back the new growth two-thirds each year. Trim ont the old wood once in twe

years and allow new canes to grow from the roots.

If by mail, add 15 cents per dozen.

Currants, Black Naples. A fine European variety of superior quality, very prolifie; 1 yr., 60 ets., 1 erdoz.; \$3 per 100. 2 yr., 75 ets. per doz.; \$4.00 per 100.

Black Champion. An English variety; Fruit large, landsome and highly flavored; extra good for lams, etc.; 1 yr., \$1.00 per doz.; \$5.00 per loc.

Cherry. Large and productive. The standard for market; 1 yr., 75 ets. per doz.; \$4 per 100. 2 yr., \$1.00 per doz.; \$5 per 100.

Fay's Prolific. (See ent.) Immensely popular, the supply hardly ever equaling demand. Said to be productive more than the Cherry and easier to pick. Good flavor and bears early. Adapted to light soil; 1 yr., \$1.35 per doz.; \$7 per 100. 2 yr., \$1.75 per doz.; \$9.00 per 100.

La Versailles. A very popular market sort. The largest red except Fay's Prolilie. Bushes rugged; fruit large in large bunches, very tart; 1 yr., 75 ets. per doz.: \$4 per 100. 2 yr., \$1 per doz.; \$5 per 100.

Lee's Prolific. Black. Best for all purposes. Early, large and productive. Sweet as a huckleberry. 1 yr., 75 ets. per doz.; \$4 per 100. 2 yr., \$1 per doz.; \$5 per 100.

White Grape. Strong grower, fruit medium size; 1 yr., 75 ets. per doz.; \$4.60 per 100. 2 yr., \$1.00 per doz.; \$5.00 per 100.

"Laden with fairest fruit, that hung to th' eye Tempting, stirr'd in me sudden appetite To pluck and cat."—Milton: Paradise Lost.

If by mail, add 10 cents per dozen.

canes, when very little fruit is secured,

For field culture plant in rows about five feet apart, with plants three and a half feet in the row, except Cap varieties, which should be six feel by three and a half feet. For garden culture they may be set three feet spart each way, with Caps four by three feet.

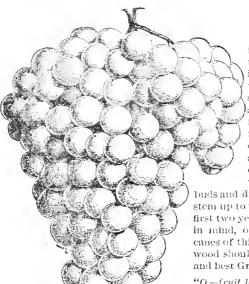
Raspberry Cuthbert. RED. A most valuable late variety for home use or marketing; large, firm, and of superior quality; very productive; dozen, 40 cents; Imndred, \$1.25; thousand....\$9 00

> —"The fruit that can fall without shaking, Indeed is too mellow for me."—Lady Montagne,



WORLD'S FAIR.

WE are making elaborate preparations for the exhibit of Flowers and Vegetables at the World's Fair, Chicago, Sept. 15th, 1893. Our cash premium offer will be found on another page. From the way our enstoners have exhibited at Albany, Peoria and Hillsdale, we can promise the grandest display of Vegetables and Flowers ever brought together. It is our desire to meet thousands of our customers at this time. Let each one send something.



GRAPE-MOORE'S DIAMOND.

GRAPES

The United States is rapidly taking the lead in Grape culture over any other country. In this small space we cannot give but the briefest instructions. There are many excellent works written especially on Grape culture. The rows should be 8 feet apart and vines from 6 to 8 feet apart in the row. Dig a hole two feet long, one foot wide, and one foot deep. Put a little surface soil in the bottom, and mix in some bone dust or commercial manures and then place in another thin layer of surface soil. Trim the ends of roots and spread out in hole, covering with surface soil. Cut the vine back to two

buds and draw in the earth so as to cover the roots and stem up to the top bud. Train the vine to a stake for the first two years, and afterwards train on trellis. Bear this in mind, old wood never bears the second time. The canes of this year bear fruit the next. Nine-tenths of the wood should be cut away each season, to get the largest

"O,-fruit loved of boyhood!-the old days recalling, When wood-grapes were purpling and brown nuts were falling."—John G. Whittier,

Our vines are all strong 2-years old and true to name.

GOOSEBERRIES.



GOOSEBERRY-INDUSTRY.

Grape, Moore's Diamond, a new variety of great excellence. Said to be a cross of Concord with Iona, Originated with Jacob Moore, who produced the Brighton. Bimch large, compact, shouldered, and sometimes double shouldered, very handsome. Berries large, white, with a whitish bloom; skin thin; berries eling well to the peduncle; flesh melting, juicy and sweet to the center; vine a strong grower, and abmidant bearer. This is a variety of remarkable merif, and will take a place above any white variety now known. Strong, 2 year vines, each, 25 cents; \$2.25 per doz.; \$14.00 per 100.

Agawam (Rogers 15). Fine large red, borne in clusters of good size. Excellent quality. Aromatic flavor, peculiar to this variety. Strong growing vine and very productive. 2 year vines, 15 cents each; \$1.25

per doz.; \$6.00 per 100.

Brighton, dark red; ripens very early. One of the most desirable; 2 year vines, 20 cents cach; \$1.50 per doz.; \$8.00 per 100.

Catawba. Large and compact, berries deep red, sweet and juley;

2 year vines 15 ets, each; 75 ets, per doz.; \$5.00 per 100. Champion (Talman). The earliest of all black Grapes. Bunch medium and compact. Berries firm with thick skin. Not remarkably good quality, but profitable grower. 2 year vines 15 cents each; 75 cents per doz.; \$5.00 per 100.

Concord, black. The most popular and reliable variety in cultivation. 2 year vines, 15 cents; 75 cents per doz.; \$4.00 per 100.

Empire State. Seedling Hartford crossed with Clinton. Extremely bardy, strong grower and heavy bearer. Medium size, white tinged with yellow. Itipens before Concord. 2 year vines, 25 cents each; \$2.00 per dox.; \$12.00 per 100.

Lady. Light greenish-yellow skin, brunch and berry of good size. Vine of good growth. Very productive. Ripens early, 2 year vines

25 cents each; \$1.80 per doz.; \$12.00 per 100.

Moore's Early, black; about two weeks earlier than Concord. Bunch and berries very large, 2 year vines, 25 cents each; \$2.00 per dez.; \$11.00 per 100.

Niagara, new, strong, vigorous grower; bunch and berries large and of good quality; color light green; very productive; strong. 2 year vines, cach, 20 cents; \$1.50 per doz.; \$5.00 per 100.

Pocklington. Resembles Ningara, but of better quality, though

of slower growth. A very valuable and popular white Grape. 2 year vines, 25 cents each; \$2.00 per doz.; \$12.00 per 100.

Salem (Rogers 55). Very like Agawam in all respects. Popular and good, 2 year vines, 20 cents each; \$1.50 per doz.; \$7.00 per 100.

Vergennes. Bunch and berries large, of a light red color, clings firm to stem, flavor rich and sweet, ripens early. Excellent keeper, 2 year vines, 25 cents each; \$2.00 per doz.; \$12.00 per 100.

Wilder (Rogers b). Hardy black, fine quality, good grower and moderately productive. Mid season. Bunch and berries large. 2 year vines, 20 cents each; \$1.50 per doz.; \$8.00 per 100.

Worden. The best of all the black grapes, and the most productive and satisfactory of all varieties. A strong grower, heavy yielder, healthy foliage, fine showy bunches and large berries of excellent quality, ripening early. It should be the first to be selected in making a garden collection. 2 year vines, each, 20 cents; \$1.50 per doz.; \$8.00 per 100.

"While from a golden vase profound
To all on flowery beds around,
A Hebe of celestial shape,
Poured the rich droppings of the grape."
—Moore, Odes of Anacreon.

Gooseberries thrive best if planted where they will receive a partial shade. Plant the same distance as Currants. Gross feeder, liking deep rich soil. Gooseberry jam in England is used by many in place of butter. Should be gathered with a gloved hand, stripping the bush. Picked green they will stand shipment to market and ripen well. Are a profitable crop, being hardy, and require but little attention and rarely dic. Add 30 cents per dozen by mail.

Gooseberry, Industry, a new English variety that is a valuable acquisition. The fruit is durk red, very large, and of a rich agreeable flavor; an immense yielder; each, 25 ets.; \$2.00 per doz.; \$12.00 per 100. Downing's. A native seedling, greenish white, vigorous, hardy and

prolific, large fruit. Free from mildew; each, 20 ets.; \$1.00 per doz.; \$6,00 per 100.

Smith's Improved, large, pale greenish-yellow, thin skin and

excellent quality. Exceedingly productive; each, 25 cents; \$1.25 per doz.; \$7.00 per 100.

Golden Prolific. This new variety is an American Scedling of English type. The foliage is a dark glaneous green, and in the early stages of growth the wood is very spiny, making it quite distinct in this respect. The fruit is large, of a deep golden yellow, excellent in quality and very attractive in appearance. It is perfectly lardy, very prolific, a good grower and unusually free from mildew. Plants, each, 50 cents; \$5.00 per dozen.

BLACKBERRIES.

If by mail, add 15 cents per dozen. For field culture, plant in rows six feet apart, with plants three feet apart in the row. For garden culture, tive by four feet.

Blackberry, Agawam. A hardy and very prolitic variety; fruit sweet and soft to the center. An early and reliable sort, 50 ets. per dox; \$1.50 per 100; \$12.00 per 1000.

Early Harvest. Among the very earliest varieties and particularly valuable on this account, especially in the home garden. It is very productive, and though not of the largest size is yet very handsome and sells well in the nurket. 60 cents per doz.; \$1.50 per 100; \$12.00 per 1000.

Frie. This variety follows closely the Early Harvest in period of ripening. Fruit of large size, roundish, uniform in size, excellent quality and handsome. A valuable variety for home use or market. 60 cents per dox.; \$3.60 per 100; \$22.00 per 1000.

Kittatinny. This excellent variety was once a general favorite, but it proved somewhat tender in northern localities, and on this account only it has given place to more landy sorts. South of New York it is uniformly hardy, and in that region it is highly esteemed. The plant is a strong grower and very productive. Berries large, handsome and of the best quality. 60 cents per dozen; \$1.75 per 100; \$14.00 per 1000. \$14.00 per 1000.

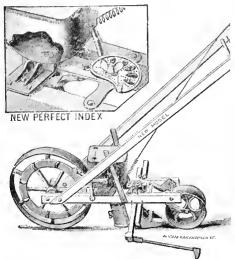
Minnewaska. A variety of the greatest value. The plants are very vigorous, quite hardy all through this region, highly productive, fruit large, jet black and shining, uniform in size, sweet and soft to the center; commences to ripen early and continues until the middle of September. An immense producer. 60 cents per dozen; \$3.00 per 100; \$22.00 per 1000. Minnewaska.

Snyder. Esteemed in the coldest portions of the country on account of its extreme hardiness. Berries of medium size but produced in abundance, sweet, juicy, and when fully ripe without a hard core. Well adapted to the Northwest, where other varieties are injured in severe winters. 50 ets. per doz.; \$1.50 per 100; \$12.00 per 1000.

Wilson Junior. A variety moderately hardy and will do well in the Southern middle states and further South. It is a vigorous growing variety and very productive; fruit large and good and ripens early. 60 cents per dozen; \$2.50 per 100; \$22.00 per 1000.

FARM, GARDEN AND FLORAL REQUISITES.

NEW MODEL SEED DRILL.



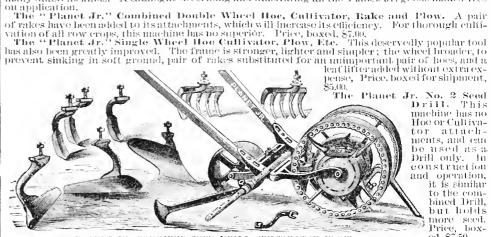
The New Model Seed Drill. This hand Seed Drill, contains several marked improvements over older styles and possesses every important detail to make it as indicated by its name a "Model " Drill, Among its advantages we note the SWINGING CUT OFF, operated by cord and ring on bandle, whereby all waste of seed at end of row is prevented. Accurate regulation of DISCHARGE OF Seed. A PLAIN INDEX, quickly adjusted. A LARGE WHEEL, QUITE BROAD, which prevents its sinking in soft earth. Haying given this drill a thorough trial on our farms, we can endorse it as doing perfect work and enpuble of giving satisfaction in every respect. Price, packed for shipment, \$7.00.



GOLDMAN'S ATOMIZER AND SPRINKLER.

For flowers, House Plants, Clothes, Carpets, Postroying Insects, and for various fine sprays. Distroying Insects, and for various fine sprays. Dipping in water while closed fills instantly. Will sprinklo under side of foliage. Size of lemon squeezer; weight, 5 oz. Price, 50 cents, by mail, postpaid. THE "PLANET JR." IMPLEMENTS.

We carry a full line of Planet Jr. implements, but owing to lack of space could not illustrate the many different kinds. A catalogue describing and illustrating all the Planet Jr. goods mailed free on application.



PLANET JR. COMBINED SEED DRILL, CULTIVATOR PLOW.

Capable of a great variety of operations, and is a thorough success in every way.

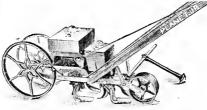
Boxed, \$10.00.

The "Firefly" Single Wheel Hoe, Cultivator and Plow. This tool has been entirely remodeled, and is now confidently offered as a perfect Wheel Hoe at a low price. Price, boxed \$4.50.

"Planet Jr." Combined Hill Dropping and Fertilizer Drill.

This tool is new and as a drill is exactly the same as the Hill Dropping Seed Drill with the addition of a fertilizer hopper holding one peck. The fertilizer can be sown either above or below the seed as desired by setting that plow deeper or shallower than the other. May be satisfactorily used to sow either seed or fertilizer alone. The amount sown is regulated accurately by the

FOR HAND POWER.



conditions of land, especially well in fresh conditions of land, especially well in fresh ground or when planting on a ridge. It has a force feed so that sowing is regular, no matter whether the drill is full or nearly empty. The discharge of the seed can be stopped instantly at the end of the row so that none need be wasted. The opening plow and coverer are especially adapted for the work they have to do, while the marker can be set at any distance desired up to 20 inches. Extra attachment for sowing union 20 inches. Extra attachment for sowing onion seed for sets in a band four inches wide, price, 50 cents. Weight, packed, 44 lbs. Price, boxed delivered to railroad, \$15.00.

FLORIST'S BRASS SYRINGES.

THE RINESP ENGLISH MAKE

31711 2 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
	1 E, 14 in.	bar'l,	1 stream	and 2 spray	roses, \$2	50
	2 E. 16	44	1 "	2	· 3	50
Į	3 E, 18	44	1 "	2	44 3	75
	4 E 18	15	1 "	2	44	

ball valve, 4 00 All syringes sent by Express at expense of

ELASTIC PLANT SPRINKLER.



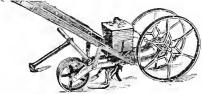
Made with a flat butten, and perforated, detachabletop. Is valuable for Winter Gardening, Bouquet Sprinkling, Dampening Clothes, etc. Price, No. 1, ½ pint, by mail, prepaid....\$1 00 Price, No. 2, ¼ pint, by mail, prepaid.....\$60

"Planet Jr." Hill Dropping Garden Seed Drill.

Price, b ed, \$7.50.

This is an entirely new muchine, the latest and best of the "Planet Jr." family. It holds two quarts, and sows all kinds of garden seeds with the greatest regularity. The plow runs any depth from ½ to 2 inches. It sows in drills as well as the No. 2 Drill and will also drop in neat hills either 4, 6, 8 or 12 inches apart. It can be changed from a hill to a drill dropping machine or the everse or can be thrown in or out of or the reverse, or can be thrown in or out of gear in a moment, and will not sow when run backwards. It is nicely adapted to working all

FOR HAND POWER.



dials, and the discharge of both may be stopped and started instantly either separately or to-gether, thus avoiding all loss at the ends of the row. Like the plain hill dropping drill, it does not sow when drawn backwards, and can be quickly thrown entirely ont of gear. It is thoroughly well made and guaranteed to do satisfactory work. Weight, packed, 58 lbs. Price, boxed and delivered to railroad, \$10.60





EXCELSIOR HAND WEEDER.

Each by mail, prepaid 25 cents.

WISS' PRUNING SHEAR.

The new Wiss' we consider one of the best in use, Two springs with each Shear. Price prepaid.



No. 2 No. 3

VICK'S EXCELSIOR INSECT EXTERMINATOR.

VICK'S EXCELSIOR INSECT EXTERMINATOR.

Will destroy Striped Fleas, Cabbage Lice, Green Cabbage Worms, Potato Bugs, Aphis, Squash Bugs, etc. Harmless to plants or vegetables. Sure death to all (dant insects, particularly the Green Cabbage Worm, for whose ravaging attacks there has his herto been no known remedy. This powder can be applied most thoroughly, economically and quickly by means of the bellows we have constructed for that purpose. The engraving represents the position in which the Edlows is held when operating; also a well developed head of Cabbage, on which the Exterminator has been used the past season. The lent in the background was taken from a neighbor's garden, where the plants, though well developed, were completely ruined by the Cabbage Worm. About one-shalf or three squarters of a point of the powder should be placed in the bellows through the cork opening at the side. A single puff over the heart of the Cabbage is sufficient for one application. The bellows can thus be worked as fast as a person would ordinarily walk.

Exterminator, 40 cents per pound, by mail.

In lots of five pounds or over, 25 cents per pound, by express at expense of purchaser. Eight-mich Bellows, \$1.25, Twelve inch Bellows, \$1.50. The Bellows can be sent only by express at expense of purchaser.

For use in conservatories and for house plants, we offer a small, zine Bellows, as shown by the engraving, in two sizes. No. 1, with one ounces of Exterminator, 29 cents, prepaid.

TRY 1T.—

-TRY 1T -

IT WILL QUICKLY PAY FOR ITSELF,



Miscellaneous.

Whale Oil Soap, by freight or express, at expense of purchaser; 1 lb. bar, 20 cents; 2 lbs. bar, 35 cents; 5 lbs. bar, 80 cents; 10 lbs., \$1.50; 20 lbs., \$2.50; by mail, prepaid, 10 cents per pound additional.

Floral Fertilizer, by express, not paid, per package, 10 and 25 cents;

by man, prepaid, is and 40
Garden Trowels, 7 inch, 25 cents; 8 inch
Garden Lines, solid braid, 100 feet, by mail, postpaid, \$1.00; 200 feet, \$2.00
Sulpho-Tobacco Soap, per can

A VALUABLE FERTILIZER.

For Farm, Garden, and Fruit Crops. — Nitrate of Soda.

This valuable fertilizing material is rapidly becoming known and its merits recognized by gardeners and farmers. Nitrogen is one of the most important elements of manures and the most expensive of all. In the form of Nitrate of Soda, Nitrogen can be procured cheaper than in any other way. It is a valuable manure for nearly all growing crops. The nitrogen in the Nitrate of Soda is quickly appropriated by the roots of plants and pushes them into active, vigorous growth. On garden vegetables and strawberries the effect of this mannire is soon shown, Nitrate of Soda has been used with profit on grass and all grain crops; and on Potatoes, Beets, Cabbage, Canlillower, Carrots, Celery, Asparagus, Swede Turnips, Tomatoes, Onions and Parsnips, Currants and Peaches,

With the present high price of labor the true economy is to raise the largest erop possible on a given space of land, and in order to do this the best and most appropriate fertilizer must be used. Gardeners and farmers must learn to apply the particular kind of fertilizers their crops need, and in the right proportion to produce the best results. Those who have been using some of the many brands of commercial fertilizers that go under the name of phosphates, will find great benefit from the use of Nitrate of Soda as the probability is that their soils are rich, both in potash and phosphoric acid, and only nitrogen is needed to give the best immediate results. The same is true in most cases where stable manure has long been in use. Nitrate of Soda can be used on all garden crops at the rate 100 to 300 lbs. per acre. Nitrate of Soda on lawns at the rate of 1 to 2 lbs, to the square rod, sown broad cast in the spring will add greatly to the *luxuriance* of the grass and keep it green all summer.

Prices, 10 lbs., 60 cents; 25 lbs., \$1.25; 50 lbs., \$2.00; 300 lbs., \$9.00. At these prices we deliver at R. R. or Express office in Rochester,

Vick's Velvet Lawn and Plant Fertilizer.

This is bone reduced to the finest powder or flour with the addition of other chemical substances forming a combination as a fertilizer of the highest value. It can be recommended for florists use or for all who raise pot plants to $\operatorname{im} x$ with the soil, ensuring a strong and healthy growth. As the proportion of available phosphoric acid in the bone meal is very large it makes it one of the most valuable fertilizers for lawns. For lawns use a barrel to one-half an acre. This fertilizer is odorless,

Prices, delivered at freight or express office, 10 lbs., 50 eents; 25 lbs. \$1.00, 50 lbs. \$1.50; Bbl., 225 lbs., \$7.00.

VEGETABLE PLANTS

(True to Name.)

The prices given for single plants and dozens are by mail prepaid, If 100 or more are desired by mail, add 25 cents for each 100 plants, but it is cheaper and better to ship by express when possible.

Cabbage, Early Wakefield,

Early Summer.

Vick's All Season,

Louisville Drumbead.

From April 15th to June 1st. Doz., 25 ets.; 100, \$1,00; 1000, \$5,50.

After June 1st. 100, 50 cents; 1000, \$3,00.

Cauliflower, Vick's Ideal, Snow Ball.

From April 15th to June 1st. Doz., 25 ets., 100, \$1.00; 1000, \$5.50,

After June 1st. 400, 75 ets.; 1000, \$3.59,

Celery, Golden Self-Blanching,

White Plume, New Rose,

Golden Heart.

Ready May 1st. Per doz., 25 ets.; 100, \$1; 1000, \$5.

Egg Plant, New York Purple, Pot grown, Ready May 15th, Fach, 10 ets.; doz., \$1,00; 100, \$4,00.

Peppers, Long Red. Large Bell,

Pot grown, Ready May 15th. Each, 10 cts.; doz., 50 cts.; 100, \$2,00.

Tomatoes, Atlantic Prize,

New Stone, McCullom's Hybrid,

Golden Dawn.

Aeme,

Payorife.

Ready May 1st, Doz., 40 ets.; 100, \$2,00; 1000, \$9,00.

Sill's Window Garden Spray.

This new form of Sprayer is a rubber syringe acting with a bulb and drawing water through a screen into a tube and discharging it through a metal nozzle. The water is drawn from a pail or other vessel, and the discharge operating like a force pump can be continued until the water is exhausted. It is especially designed for Window Gardens and Conservatories. The different nozzles allow the spray to be thrown fine or coarse as desired. It is an excellent instrument for applying insecticides on house plants and shrubbery. Useful always for sprnying with clear water and effective in its work. It is durable, simple and easy to use, and will be found satisfactory by all who give it a trial,

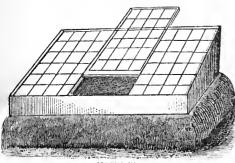
It received a Certificate of Honorable Mention from the Society of American Florists' at Washington, 1892. Sent by mail for \$2.25.

See Illustration of this Sprayer in Vick's Magazine for January.

HINTS ON SOWING SEEDS AND TRANSPLANTING.

Seed Sowing, Transplanting, and Care of Young Plants.

Every child knows how easily and quickly the plants will spring up when he pures a tew beans or kernels of corn or some pumpkin or squash seeds into the ground. Why then do we hear so much complaint from people that their seeds do not grow? In not one such case of complaint in a hundred is there anything the matter of the seeds. What is, then, the trouble? Well the fruth must be told: it is with the people themselves—they do not know how to sow and care for the seeds. A child plants a few beans in the garden and in two or three days they are up. Children imitate older people, and they do not commence their gardening until they have seen others do it; so it happens that when they try their skill the season is somewhat advanced, and the ground is warm, and the conditions are all right for the seeds to germinate promptly. The child did not know this; it was an accident as far as he was concerned that the conditions were suitable. But accidents will not do for serious gardening, so we must learn that there are suitable times to sow different kinds of seeds. different kinds of seeds.



We can sow peas as soon as the frost is out of the ground, but if we plant our beans then we plant our beaus then that will be the last we shall see of them, for in the cold ground they will rot. So with the flower seeds, some kinds are very hardy; for instance, we can seatter morning glory seed on the frozen ground, and it will take no hurt, but in time the plants will spring up; but if we treat the balsam seeds the same way

produced from them. In seed sowing a great deal of skill can be acjulred, and those who know least about it are the ones who usually are loudest in their complaints about bad seeds. It is an advantage with many kinds of seed to sow them early, as in the case of onions which should be sown as curly in spring as the ground can be prepared, but encumbers and egg-plants must wait until the ground is warm. Letting seed may be scattered on the snow or frozen ground, and as a result they will give an early crop, but little zinnia plants would perish in the cold, even if the seeds germinated when treated the same way.

When to Sow Seeds.

When to Sow Seeds.

All through the Guide we have tried to state the best time to sow the different kinds of seeds and give the proper treatment of them, but after all a great deal depends on the judgment of each person, and upon the experience that has been acquired. Now, as to the time of sowing seeds, although, as has been shown, some kinds may be put into the ground very early, yet as a rule, seed sowing cannot be safely done until frost is all out of the ground and the upper soil has become warm; everywhere the farmers know when this time in the spring comes, for then they can plant corn, so that will be the time when most of the seed sowing will commence in the garden, whether of vegetables or flowers. Some people are so unxious to make their gardens that they do not wait until it is warm enough, and every spring a great many seeds are sown which start and are then cut down by the frost.

Depth to Sow Seeds.

It is important to know something about the depth to sow different It is important to know something about the depth to sow different kinds of seeds. Some tine seeds if planted deep will never germinate, or, if they do the deliente plants will not have sufficient strength to push their way through the mass of soil which covers them. Even large seeds might be planted very shallow if we were sine that timely showers would keep the soil moist, but us there is danger of drought and that a hot sun may destroy the spronted seeds, they are planted deeper so that the soil may be a protection. For all seeds the soil should be incllow and for small seeds the surface should be raked very line. An old rule with gardeners is to cover seeds so that the soil over them shall be twice the thickness of the seed. But something depends on the character of the soil; if it is chayeve and highly to bake it is not suitable to say seeds in or soil; if it is clayey and liable to bake it is not suitable to sow seeds in, or if it must be used, then it is a good plan to have some sand to place over the seeds, as this will allow the young plants easily to push through.

Grass Mulch for Seeds.

When fine seeds are to be sown and dry weather or a hot sun is to be When the seeds are to be sown and dry weather or a not sim is to be feared, it is well to place some short elippings of grass or some such material over the rows; when the little plants start this malch can be drawn aside a little. Thus it will be seen a gardener must employ different means with diherent kinds of seeds and under different circumstances. At all times be seeks to secure for the seeds sufficient warmth and moisture,

Sowing Seeds Under Glass.

With many kinds of flowering plants and vegetables it is not best to wait until the weather is favorable to sow the seed in the open garden, for much better results can be obtained if they are sown earlier and the plants are large enough to put out when the line weather comes, for our sensons are too short to allow of any long time to wait for the plants to grow. For this reason we sow seeds in a propagating house or greenhouse, or in boxes in the window, or in a hot-bed or cold frame, in some place where the plants can be protected while it is yet cold, and yet have a temperature in which they will thrive.

Hot-Beds.

Hot-beds, by being protected at the sides and ends with boards, and covered with glass, confine the moisture which arises from the earth, and thus the atmosphere is kept lumnid and the surface moist, and the plants are not subjected to changes of temperature, as a uniform state can be maintained no matter what the weather may be. The bottom heat of the hot-bed warms the soil, and enables the grower to put in his seed early, and obtain plants of good size before the soil outside is warm enough to receive the seed. Care, however, is required to prevent scorching the young plants. In bright days the heat is intense inside the frame, and unless air is freely given, or some course taken to obstruct the rays of the sun, most likely a great portion of the plants will be ruined. When the sing gets pretty warm give the glass a thin cont of whitewash. This gives a little shade, and, with some air during the middle of bright days, will make all safe. The hot-bed is made by forming a pile of horse manure with the straw used for bedding, or leaves, some three feet in height. Shake all together, so that straw and manure will be equally mixed. It may be sink in the ground a Toot or eighteen inches, or made on the surface. On this place about five inches of good mellow soil. Then set the frame and keep it close until fermentation takes place and the soil is quite warm. It is better to wait a day or two after this, and then sow the seeds.

Cold-Frame.

Some of the advantages of a hot-bed can be secured by a cold-frame. This is simply a frame with sash, the same as employed for a hot-bed, placed upon a bed of fine, mellow carth, in some sheltered place in the garden. The heat of the sun warms the soil, and, as the air is contined, the warmth and moisture earmot escape. After the Frame is secured in its place, a couple of inches of fine earth should be placed inside, and the Frame closed up for a day or two before the seeds are planted. As the cold-frame depends upon the sun for its warmth, it must not be started as soon as the hot-bed, and in this latitude the latter part of April is soon enough. Plants will then be large enough for transplanting to the open ground as soon as danger from frost is over, and, as a general thing, they will be landier and better able to endure the shock of transplanting than if grown in a hot-bed. A frame of this kind my one can manage. Watering occasionally will be necessary; and air must be given on bright, warm days. Shade also is necessary. ome of the advantages of a hot-bed can be secured by a cold-frame. be given on bright, warm days. Shade also is necessary.

Hand-Glasses.

Frames, when so small as to be conveniently moved by hand, are called

A frame, or box, with a couple of lights of glass on top
will answer a very good purpose, though
when small it would be better to have the

will answer a very good pinrpose, though when small it would be better to have the front of glass. A very good hand-glass is made of a square frame, with a light of glass at each side and on the top. These contrivances, though so simple as to be made by any one handy with tools, are exceedingly useful, as they prevent the drying of the surface of the ground, and afford the plants shelter from sudden changes of temperature, cold storms and sown in the house in pots, or boxes, but the greatest difficulty is that the soil dries very rapidly in them, and young plants are upt to suffer. A very good plan is to cover the pot with a pane of glass, removing it occasionally for air. Where very fine seeds are sown in pots, the watering, unless carefully done, generally results in great injury. A wet paper placed over the top of the pot will afford moisture chough for the germination of fine seeds. If pots are used it is well to sink them to the rim in a box of moss, or something of the kind, that will hold moisture, and prevent the drying of the carth in the pots. A shallow box may be need to advantage, sowing the seed carefully in narrow drills.

Of course it is designed that plants from the hot-bed, cold-frame and seed to advantage.



Of course it is designed that plants from the hot-bed, cold-frame and seed-bed shall be transplanted to the border or beds where they are to thower, and these helps are intended mainly for tender and half-hardy annuals. The hardy annuals may be sown where they are to flower, though, with the exception of a few varieties difficult to transplant, it is hear to sown this negation. is best to sow all in a seed-bed,

Transplanting.

All the operations of the garden should be done with neatness; no crooked irregular rows are admissible. After plants in the seed-beds have obtained their second leaves and made an inch or two of growth, they should be moved to the garden beds or border. This should be done on a dull day if possible, it not, the plants may require shading after removal until they become established. In transplanting in dry weather, always give the plants as they stand in the seed-bed a good soaking with water, and also the soil to which they are removed, an hour or so before removal. In removing, disturb the roots as little as possible. If the plants are not too thick, there is no need of injuring the roots; and in sowing, it is well to have this in view, and sow evenly and thinly. As soon as the young plants come up, if too thick, a portion should be removed. A few plants, with long tap roots, will not bear removal well. The Larkspurs are difficult, and these and the Poppies, and plants with like roots, should be sown where they are to remain. Sweet Peas, Candytuft, and a few flowers of similar churacter, that do best if sown as early as the ground can be got ready, should always be sown where they are to boom. All the operations of the gurden should be done with neatness; no are to bloom.

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